

Name	Link	Main focus	Ab	Targets	Target species	Sources	Independent validation	Published References	Vendor Validation	Applications	Comparison	RRID	Remarks	Ref.
1DegreeBio	http://1degreebio.org	"fast way to find reagents"	>100		31	17	x			24 different techniques		No	earn DB\$ for participation, user ratings	
Abminer	http://discover.nci.nih.gov/abminer/	human cancer tissue	661		human		x			WB bands and dilution described, no pictures shown	x	No	Entrez Gene ID search possible	17
Antibodies Online	http://www.antibodies-online.com/antibody/	database with detailed information	944,908	<1000		137	x	x	x	WB, ELISA, IHC, FACS, IF, IP, DB, functional studies, neutralization and many others	x	No	antibodies have to be directly ordered from this database	
Antibody adviser	http://www.antibody-adviser.org/	all available antibodies are reviewed by users	356,526	33,401	57	97	x			all antibody-associated techniques		Yes	personal digital antibody logbook, always will stay free, non-profit-organization, reviews are revised	
Antibody Validation Database	http://compbio.med.harvard.edu/antibodies	histon modifications	261	65	Drosophila melanogaster, Caenorhabditis elegans and human cells	13	15 different validators			WB, DB, ChIP-chip/seq		No	25% of the antibodies failed validation process	18
Antibodypedia	http://www.antibodypedia.com/	"the database is gene-centric, validations and citations give a score and rank to the antibody"	1.8 M	94% of human genome (20507)	human	63	x	x	x	WB, IHC, Protein array, Proximity ligation assay, Reverse Phase Protein Arrays, Knock-down included from end of June and many others	x	Not, at the moment	new initiative called the Affinity Binder Knock-Down Initiative: confirmation an antibody binding to a target by means of knock-down (e.g. siRNA, CRISPR).	19
AntibodyRegistry (see also Scicrunch)	http://antibodyregistry.org/search (https://scicrunch.org/resources/Antibodies/search)	"Ab for all areas, stable identifying information for all Ab reagents ever sold"	2.4 M	>20000	any	>200		x				Yes, generate RRID	We do not remove records because it is our mission to keep a version of the antibody record even if the supplier or vendor does not keep the listing	
AntibodyResource	http://www.antibodyresource.com/	"Ab for all areas"	1.5 M	30000	23	100			x	FACS, WB, ELISA, IF, IHC and others		No	50,000 visitors per month and researchers can filter antibodies for multiple applications and species	
AntibodyReview	http://www.antibodyreview.com/index.php	"Ab against human proteins (incl. mouse and rat orthologues), literature search based"	540,000	~20000	mainly human, mouse, rat (>20 species)	55		x	x	WB, IHC, ICC, IP, FACS, ELISA and others		not currently, earlier efforts	unique scoring system, visual antibody search system by data images	
Biocompare	http://www.biocompare.com/Antibodies/				>30		x		x	WB, ELISA FACS, IHC, IP, functional assays and others	x	No		
CiteAb	http://www.citeab.com/	"aims to be the most comprehensive antibody search engine in the world"	2.15 M	~30.000	~1600 species / groups	119		x		Top applications listed: WB, IHC, ELISA, FACS		not currently	Search results are ranked by how frequently antibodies have been cited in the academic literature. (660,000 citations)	
Developmental Studies Hybridoma Bank (DSHAB)	http://dshb.biology.uiowa.edu/	monoclonals for research	2,655	1505		284 researcher		x				No	hybridoma cells by cost, non-profit	20

ENCODE	https://www.encodeproject.org/search/?type=antibody_lot	histone modifications	1,118 (diff. lots), 978 (unique Ab)	778	9	45	independently by different ENCODE members			IP, WB, ChIP-seq, DB, Knockdown/- out, motif enrichment, IF, ELISA, competitive assay	DOI or RRID will be explored in the future	color code for eligibility status, only 393 of 1118 Ab are useful for specific IP experiments, antibody lot specific data	15
F1000-Antibody validation collection	http://f1000research.com/channels/antibody-validation	publication of antibody validation reports, negative results are also published	19	9	human, mouse	9	x	x		WB, shRNA-mediated knock-down, IHC	Yes	detailed protocols for antibody use, includes pAbmAbs rating	
iSpyBio	http://www.ispybio.com/	"give as large a selection as possible, so it does not focus on a specific area"	1.3 M	13,000	all species		x	x	x	WB, ELISA, IHC, ChIP and others	x	No	"ranks products based on publications, application data, reviews and images"
Labome	http://www.labome.com/		>42,705	>8036				x	x	WB, IHC, FACS, IP, ChIP, ELISA and others		No	publish antibody reviews, curate antibody information in PLOS Biology and eLife
Linscott's Directory	http://www.linscottsdirectory.com/	since 1980 summary of products for immunological and biological reagent	1.29 M			139						No	direct link to companies
Office of Cancer Clinical Proteomics Research Antibody Portal	http://antibodies.cancer.gov/apps/site/default	cancer related proteins	328	147			7 expert organisations			ELISA, WB, IHC, Immunomass, SPR, NAPP		No	distribution by DSHAB (non-profit) and companies
Open i	http://openi.nlm.nih.gov/	image search machine in literature	all published with figures	all published with figures	all published with figures	all published with figures		x		all published with figure		depends on journal	search for published figures, check for antibody in material and method section
pAbmAbs	www.pabmabs.com	"searchable database of independent antibody reviews from scientists"	1000			60	x			all possible techniques, e.g. WB, IHC, IP, ELISA, FACS, Luminex, EM		No, will be included in the future	application-specific star rating system based on a Bayesian algorithm, pAbmAbs competition for the best submitted review
San Diego epigenome Center	http://epigenome.ucsd.edu/antibodies.html	histon modifications	101	56		7	5 member labs			Peptide dot blot		No	different lots are tested
SeekQuence	http://www.seekquence.com/#!/	"select research products with confidence"	>2.48 M	19,660	84	110		x	x	84 different applications: WB, IHC, FACS, IP, ELISA and others	x	soon	researcher can start on the "other side", the publication side to search for Ab, sort for citations
The Human Protein Atlas	http://www.proteinatlas.org	staining of human tissue	24,028	16975	human	40 suppliers and in-house generated antibodies (75)	control experiments are performed in consortium			IHC, protein array, IF, WB, adsorption	x	not at the moment	combination of transcriptomics analysis with antibody-based proteomics in human tissues and organs and provide the original immunohistochemistry-based images with details on the protein expression at a single-cell resolution.
Visabl	http://www.visabl.com/	clinical diagnostic search machine			human	16			x	vendor dependent	x	No	different antibody panels (e.g. lung panel) have been compiled

(Empty cells illustrate missing information. Either there was no answer to the survey or information is not easy accessible on the website.)