

Rabbit anti-Human, Mouse AGA Polyclonal Antibody | anti-AGA antibody

AGA Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281171	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

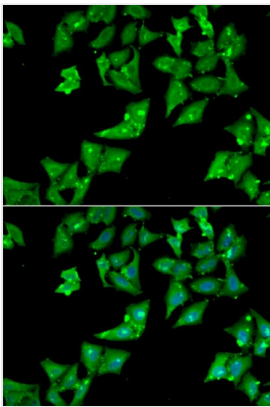
PRODUCT SYNONYMS

AGA; Polyclonal Antibody; AGA Polyclonal Antibody; AGU; ASRG; GA; anti-AGA antibody

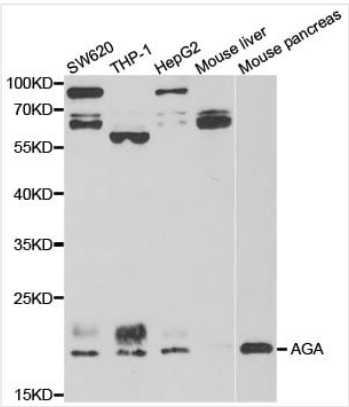
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	SSPLPLVVNT WPFKNATEAA WRALASGGSA LDAVESGCAM CEREQCDGSV GFGGSPDELG ETTLDAMIMD GTTMDVGAVG DLRRIKNAIG VARKVLEHTT HTLLVGESAT TFAQSMGFIN EDLSTTASQA LHSDWLARNC QPNYWRNVIP DPSKYCGPYK PPGILKQDIP IHKETEDDRG HDTIGMVVIH KTGhiaAGTS TNGIKFKIHG RVGDSPiPGA GAYADDTAGA AAATGNGDIL MRFLPSYQAV EYMRR
Sequence Length	346
Applicable Applications for anti-AGA antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human AGA
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Lysosome
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using AGA antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using AGA antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-AGA antibody	This gene encodes a member of the N-terminal nucleophile (Ntn) hydrolase family of proteins. The encoded preproprotein is proteolytically processed to generate alpha and beta chains that comprise the mature enzyme. This enzyme is involved in the catabolism of N-linked oligosaccharides of glycoproteins. It cleaves asparagine from N-acetylglucosamines as one of the final steps in the lysosomal breakdown of glycoproteins. Mutations in this gene are associated with the lysosomal storage disease aspartylglucosaminuria that results in progressive neurodegeneration. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is subject to proteolytic processing.
Product Categories/Family for anti-AGA antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	285002251
NCBI GeneID	175
NCBI Accession #	NP_000018.2
NCBI GenBank Nucleotide #	NM_000027.3
UniProt Accession #	P20933; Q4W5Q2; Q6FHN6; Q9UCK6; Q9UCK7; Q9UCK8; B2R7H2; D3DP47
Molecular Weight	Calculated: 37kDa Observed: 18kDa
NCBI Official Full Name	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase isoform 1 preproprotein
NCBI Official Synonym Full Names	aspartylglucosaminidase
NCBI Official Symbol	AGA
NCBI Official Synonym Symbols	GA; AGU; ASRG
NCBI Protein Information	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase
UniProt Protein Name	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase
UniProt Gene Name	AGA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/aga-antibody-immunofluorescence-western-blot-elisa/281171>