

Rabbit anti-Human, mouse EN2 Polyclonal Antibody | anti-EN2 antibody

EN2 Antibody (C-term)

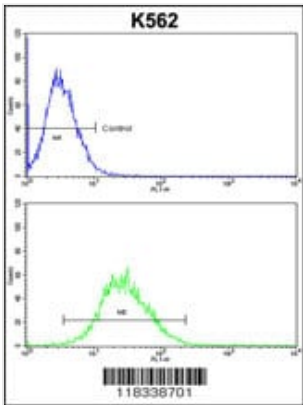
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289501	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

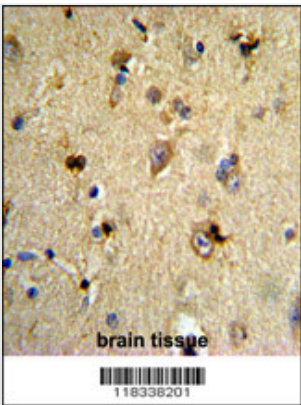
EN2; Polyclonal Antibody; EN2 Antibody (C-term); Homeobox protein engrailed-2; Homeobox protein en-2; Hu-En-2; anti-EN2 antibody

PRODUCT SPECIFICATIONS

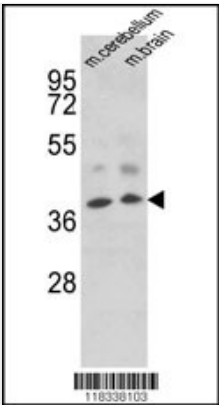
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-271 amino acids from the C-terminal region of human EN2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	243-271
Sequence Length	333
Applicable Applications for anti-EN2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
EN2 Antibody (C-term) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with EN2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of EN2 Antibody (C-term) in mouse cerebellum, brain tissue lysates (35ug/lane). EN2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-EN2 antibody	EN2 is thought to have a role in controlling development. In Drosophila, the protein plays an important role during development in segmentation, where it is required for the formation of posterior compartments. Different mutations in the mouse homologs, En1 and En2, produced different developmental defects that frequently are lethal. This protein has been implicated in the control of pattern formation during development of the central nervous system.
Product Categories/Family for anti-EN2 antibody	Neuroscience; Signal Transduction
References	Poole S.J., Law M.L.Genomics 4:225-231(1989) Benayed R., Gharani N.Am. J. Hum. Genet. 77:851-868(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7710121
NCBI GeneID	2020
NCBI Accession #	NP_001418.2
NCBI GenBank Nucleotide #	NM_001427.3
UniProt Accession #	P19622; Q549U3; Q9UD58; A4D252

Molecular Weight	34211
NCBI Official Full Name	homeobox protein engrailed-2
NCBI Official Synonym Full Names	engrailed homeobox 2
NCBI Official Symbol	EN2
NCBI Protein Information	homeobox protein engrailed-2
UniProt Protein Name	Homeobox protein engrailed-2
UniProt Gene Name	EN2
UniProt Synonym Gene Names	Homeobox protein en-2; Hu-En-2
UniProt Entry Name	HME2_HUMAN

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://stage.aaabiotech.com/polyclonal/en2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289501>