

Rabbit EMX2 Polyclonal Antibody | anti-EMX2 antibody

EMX2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285263	Rabbit	Human (Predicted Reactivity: Bovine, Mouse)	Flow Cytometry, Functional Assay, ELISA, Western Blot

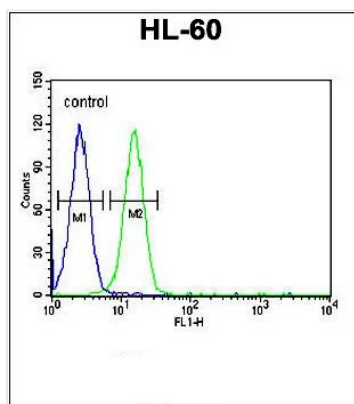
PRODUCT SYNONYMS

EMX2; Polyclonal Antibody; EMX2 Antibody (Center); Homeobox protein EMX2; Empty spiracles homolog 2; Empty spiracles-like protein 2; anti-EMX2 antibody

PRODUCT SPECIFICATIONS

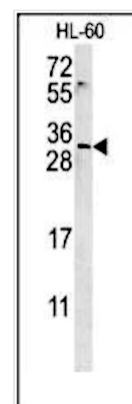
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This EMX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 111-138 amino acids from the Central region of human EMX2.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	111-138
Sequence Length	169
Applicable Applications for anti-EMX2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

EMX2 Antibody (Center) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

EMX2 Antibody (Center) western blot analysis in HL-60 cell line lysates (15ug/lane). This demonstrates the EMX2 antibody detected the EMX2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-EMX2 antibody	This gene encodes a homeobox-containing transcription factor that is the homolog to the 'empty spiracles' gene in Drosophila. Research on this gene in humans has focused on its expression in three tissues: dorsal telencephalon, olfactory neuroepithelium, and urogenetial system. It is expressed in the dorsal telencephalon during development in a low rostral-lateral to high caudal-medial gradient and is proposed to pattern the neocortex into defined functional areas. It is also expressed in embryonic and adult olfactory neuroepithelia where it complexes with eukaryotic translation initiation factor 4E (eIF4E) and possibly regulates mRNA transport or translation. In the developing urogenital system, it is expressed in epithelial tissues and is negatively regulated by HOXA10. Alternative splicing results in multiple transcript variants encoding distinct proteins.
Product Categories/Family for anti-EMX2 antibody	Neuroscience
References	Inkster, B., et al. Neuroimage (2010) In press : Bayatti, N., et al. Eur. J. Neurosci. 28(8):1449-1456(2008) Merello, E., et al. Am. J. Med. Genet. A 146A (9), 1142-1150 (2008) : Treloar, S.A., et al. Mol. Hum. Reprod. 13(8):587-594(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	260064072
NCBI GeneID	2018
NCBI Accession #	NP_001159396.1; NP_004089.1
NCBI GenBank Nucleotide #	NM_001165924.1
UniProt Accession #	Q04743; Q96NN8; Q9BQF4; G3V305
Molecular Weight	28303
NCBI Official Full Name	homeobox protein EMX2 isoform 2
NCBI Official Synonym Full Names	empty spiracles homeobox 2
NCBI Official Symbol	EMX2
NCBI Protein Information	homeobox protein EMX2
UniProt Protein Name	Homeobox protein EMX2
UniProt Gene Name	EMX2
UniProt Entry Name	EMX2_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://www.aaabiotech.com/polyclonal/emx2-antibody-flow-cytometry-western-blot-elisa/285263>