

Datasheet for ABIN6991623
anti-EMX2 antibody (AA 60-110)



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Overview

Quantity:	0.1 mg
Target:	EMX2
Binding Specificity:	AA 60-110
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EMX2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	EMX2 antibody was raised against an 18 amino acid synthetic peptide near the center of human EMX2. The immunogen is located within amino acids 60 - 110 of EMX2.
Isotype:	IgG
Specificity:	At least two isoforms of EMX2 are known to exist, this antibody will detect both isoforms. EMX2 antibody is predicted to not cross-react with EMX1
Purification:	EMX2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	EMX2
Alternative Name:	EMX2 (EMX2 Products)

Target Details

Background: EMX2 Antibody: EMX2, like its closely related homolog EMX1, is a homeobox transcription factor involved in specifying cell fates in the developing central nervous system and participates in the development of olfactory neurons. EMX2 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.

Gene ID: 2018

UniProt: [Q04743](#)

Application Details

Application Notes: EMX2 antibody can be used for detection of EMX2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: EMX2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: EMX2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.