

Emx2 rabbit pAb

Cat No.: ES5119

For research use only

Overview

Product Name Emx2 rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA

Species Cross-Reactivity Human; Mouse

Recommended dilutions Immunohistochemistry: 1/100 - 1/300. ELISA:

1/20000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human EMX2. AA

range:91-140

Specificity Emx2 Polyclonal Antibody detects endogenous

levels of Emx2 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Homeobox protein EMX2

Gene Name EMX2 **Cellular localization** Nucleus .

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Human Gene ID 2018 Human Swiss-Prot Number Q04743

Alternative Names EMX2; Homeobox protein EMX2; Empty spiracles

homolog 2; Empty spiracles-like protein 2

Background 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



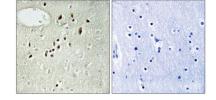
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expressed in the dorsal telencephalon during development in a low rostral-lateral to high caudal-medial gradient and is proposed to pattern the neocortex into defined functional areas. It is also expressed in embryonic and adult olfactory neuroepithelia 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.[provided by RefSeq, Se

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using EMX2 Antibody. The picture on the right is blocked with the synthesized peptide.



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