

EMX2 monoclonal antibody (M01), clone 3D5

Catalog # H00002018-M01 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant EMX2.
Immunogen	EMX2 (NP_004089, 103 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	HSPHPLFASQQRDPSTFYPLIHRYYRLGHRFQGNDTSPESFLLHNALARKPKRIRTAFAFSPSQLLR LEHAFEKNHYVVGAEKQLAHSLSLTETQVKV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — EMX2

Entrez GeneID	2018
GeneBank Accession#	NM_004098

Protein Accession# [NP_004089](#)

Gene Name EMX2

Gene Alias -

Gene Description empty spiracles homeobox 2

Omim ID [269160 600035](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 urogenital 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

Other Designations OTTHUMP00000020578|empty spiracles homolog 2

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Depressive Disorder](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)