

DNAxPAb

Hard-to-Find
Antibody

EMX2 DNAxPab

Catalog # H00002018-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human EMX2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MFQPAPKRCFTIESLVAKDSPLPASRSEDPirpaalsYANSSPINPFLNGFHSAAAAAAGRGVYS NPDLVFAEAVSHPPNPAVPVHPVPPPHALAAHPLPSSHSPHPLFASQQRDPSTFYPLIHRYRYL GHRFQGNDTSPESFLLHNALARKPKRIRTAfSPSQLLRLEHAFEKNHYVVGaERKQLAHSLSLTE TQVKVWFQNRRTKfKRQKLEEEGSDSQQKKKGTHHINRWRIATKQASPEEIDVTSD
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — EMX2

Entrez GeneID [2018](#)

GeneBank Accession# [NM_004098.3](#)

Protein Accession# [NP_004089.1](#)

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](#)