



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## EMX2 monoclonal antibody (M01), clone 3D5

Catalog # : H00002018-M01

規格 : [ 100 ug ]

List All

Specification	Application Image
<b>Product Description:</b> Mouse monoclonal antibody raised against a partial recombinant EMX2.	ELISA
<b>Immunogen:</b> EMX2 (NP_004089, 103 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.	
<b>Sequence:</b> HSPHPLFASQQRDPSTFYPLIHRYYRLGHRFQGNDTSPESFLLHNALA RKPKRIRTAFAFPSQLLRLEHAFKKNHYVVGAEKQLAHSLSLTETQVKV	
<b>Host:</b> Mouse	
<b>Reactivity:</b> Human	
<b>Isotype:</b> IgG2a Kappa	
<b>Quality Control Testing:</b> Antibody Reactive Against Recombinant Protein.	
<b>Storage Buffer:</b> In 1x PBS, pH 7.4	
<b>Storage Instruction:</b> Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.	
<b>MSDS:</b>  <a href="#">Download</a>	
<b>Datasheet:</b>  <a href="#">Download</a>	
<b>Applications</b>	
ELISA	
<b>Gene Information</b>	
<b>Entrez GeneID:</b> <a href="#">2018</a>	
<b>GeneBank Accession#:</b> <a href="#">NM_004098</a>	
<b>Protein Accession#:</b> <a href="#">NP_004089</a>	
<b>Gene Name:</b> EMX2	
<b>Gene Alias:</b> -	
<b>Gene Description:</b> empty spiracles homeobox 2	
<b>Omim ID:</b> <a href="#">269160</a> , <a href="#">600035</a>	
<b>Gene Ontology:</b> <a href="#">Hyperlink</a>	

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**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

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**Other Designations:** OTTHUMP00000020578,empty spiracles homolog 2

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#### **Related Disease**

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Cleft Lip Cleft Palate Depressive Disorder, Major Endometriosis Genetic Predisposition to Disease

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