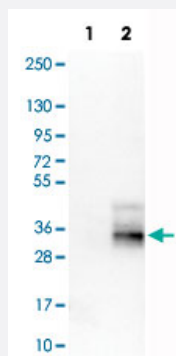


# TSPAN7 monoclonal antibody, clone CL0262

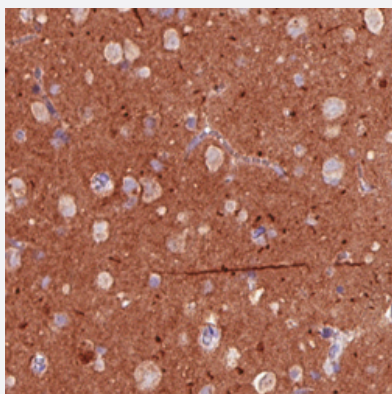
Catalog # MAB15581      Size 100 uL

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with TSPAN7 monoclonal antibody, clone CL0262 (Cat # MAB15581).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with TSPAN7 monoclonal antibody, clone CL0262 (Cat # MAB15581) shows strong immunoreactivity in the neuropil.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant human TSPAN7.
<b>Immunogen</b>	Recombinant protein corresponding to human TSPAN7.
<b>Epitope</b>	This antibody binds to an epitope located within the peptide sequence NDERSRAVDHVQRSL as determined by overlapping synthetic peptides.
<b>Sequence</b>	TFLRTYTDAMQTYNGNDERSRAVDHVQRSLSCCGVQNYTNWSTSPYFLEHGIPPSCCMNETDCNPQDLHNLTVAAATKVNQKGCYDLVTSFMET
<b>Host</b>	Mouse

Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — TSPAN7

Entrez GeneID	<a href="#">7102</a>
Protein Accession#	<a href="#">P41732</a>
Gene Name	TSPAN7
Gene Alias	A15, CCG-B7, CD231, DXS1692E, MRX58, MXS1, TALLA-1, TM4SF2, TM4SF2b
Gene Description	tetraspanin 7
Omim ID	<a href="#">300096</a> <a href="#">300210</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein and may have a role in the control of neurite outgrowth. It is known to complex with integrins. This gene is associated with X-linked mental retardation and neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy. [provided by RefSeq]

**Other Designations**

CD231 antigen|T-cell acute lymphoblastic leukemia associated antigen 1|cell surface glycoprotein A15|membrane component, X chromosome, surface marker 1|tetraspanin protein|transmembrane 4 superfamily 2b|transmembrane 4 superfamily member 2|transmembrane p

**Disease**

- [Autistic Disorder](#)
- [Mental Retardation](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)