

Datasheet for ABIN500268
anti-MED28 antibody (Center)

2 Images

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Overview

Quantity:	0.1 mg
Target:	MED28
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MED28 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	MED28 antibody was raised against a 17 amino acid peptide from near the center of human MED28.
Isotype:	IgG
Specificity:	This antibody detects MED28.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	MED28
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Target Details

Alternative Name:	MED28 (MED28 Products)
Background:	<p>The mediator complex is a multi-protein transcriptional co-activator that is expressed ubiquitously in eukaryotes from yeast to mammals and is required for induction of RNA polymerase II (pol II) transcription by DNA binding transcription factor. One of the proteins in this complex is MED28, also known as Magicin. MED28 is expressed in many cell lines and tissues. It has been shown that a down-regulation of MED28 expression in NIH3T3 cells results in a significant induction of several genes associated with smooth muscle cell differentiation and conversely its over-expression represses expression of SMC genes. MED28 can also form a ternary complex with Grb2 and Merlin, the neurofibromatosis 2 tumor suppressor protein, indicating that MED28 may play a role in Merlin's tumor suppressive activity. MED28 has also been recently identified as an HIV dependency factor (HDF), suggesting that MED28 may be an important drug target in HIV treatment. At least two isoforms of MED28 are known to exist. Synonyms: EG1, Endothelial-derived protein 1, FKSG20, Mediator complex subunit 28, Mediator of RNA polymerase II transcription subunit 28, Merlin and Grb2-interacting cytoskeletal protein, Tumor angiogenesis marker EG-1</p>
Gene ID:	80306
NCBI Accession:	NP_079481
UniProt:	Q9H204
Pathways:	Stem Cell Maintenance , Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	<p>ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

Handling

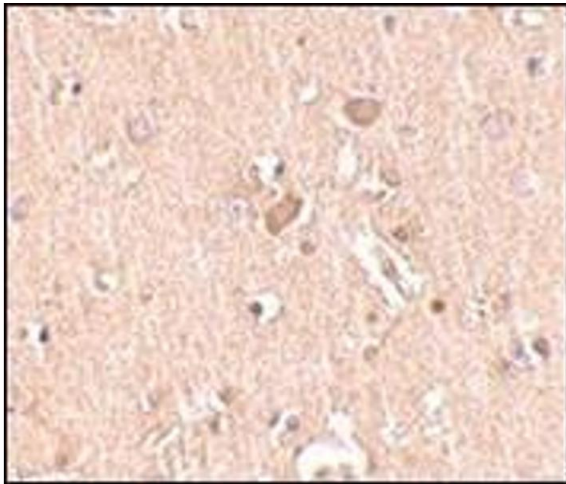
Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage: 4 °C/-20 °C

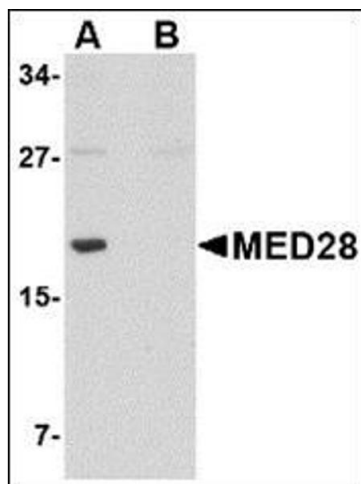
Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of MED28 in human brain tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of MED28 in human brain tissue lysate with this product at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.