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Datasheet for ABIN7127181 **anti-MED21 antibody**

Overview

Quantity:	100 µg
Target:	MED21
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MED21 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Coating (Coat), Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant full-length human MED21 protein
Isotype:	IgG1
Specificity:	In mammalian cells, transcription is regulated in part by high molecular weight coactivating complexes that mediate signals between transcriptional activators and RNA polymerase. These complexes include the SMCC (SRB and MED protein cofactor complex), which consists of various subunits that share homology with several components of the yeast transcriptional mediator complexes and including the human proteins Srb7, Med6 (also designated DRIP33) and Med7 (also designated DRIP34). SMCC associates with the RNAPII (RNA polymerase II) holoenzyme through Srb7 and, in turn, enhances gene-specific activation or repression induced by DNA-binding transcription factors. Med6 and Med7, as well as other components of SMCC, associate with co-activator proteins from the TRAP (thyroid hormone receptor-activating protein) complex and DRIP (for vitamin D receptor interacting protein) complex to facilitate

Product Details

	steroid receptor dependent transcriptional activation. Additionally, SMCC associates with PC4 (positive cofactor 4) to repress basal transcription independent of RNAPII activity
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	MED21
Alternative Name:	MED21 (MED21 Products)
Background:	Forkhead box protein Q1, MED21, Hepatocyte nuclear factor 3 forkhead homolog 1, HFH1, HNF3/forkhead like protein 1, MGC77469, Q1, Winged helix / forkhead transcription factor, zgc:77469,MED21 / SRB7 Cellular localisation: Nucleus. Nucleoplasm. Cytoplasm.
Molecular Weight:	15.5kDa
Gene ID:	9412, 286145
UniProt:	Q13503
Pathways:	Stem Cell Maintenance , Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Known_Application: ELISA (For coating, order antibody without BSA), Immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 mL of cell lysate)), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Optimal dilution for a specific application should be determined. Positive_Control: HeLa or K562 cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
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Expiry Date:	24 months
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