Datasheet for ABIN2779418

anti-SMAD7 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	SMAD7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Cow, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SMAD7
Sequence:	LVRRLWRSRA PGGEDEEEGA GGGGGGGELR GEGATDSRAH GAGGGGPGRA
Predicted Reactivity:	Cow: 93%, Dog: 93%, Human: 100%, Mouse: 92%, Pig: 93%, Rabbit: 93%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against SMAD7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	SMAD7
Alternative Name:	SMAD7 (SMAD7 Products)

Target Details

Background:	Smad7 acts to functionally inactivate RB and de-repress E2F without blocking the activation of TbetaRI and the nuclear translocation of Smad2/3, allowing TGF-beta1 to exert effects in a cancer cell that is resistant to TGF-beta1-mediated growth inhibition. Alias Symbols: FLJ16482, MADH7, MADH8, CRCS3 Protein Interaction Partner: HDAC3, HDAC2, USP11, SMURF2, SMURF1, SKP2, MYC, Melk, HCVgp1, RNF111, KDM2A, SOX13, PIAS1, SOX7, UBE2O, MKL2, ASH1L, PIAS4, CXXC5, ZNF107, ZBTB11, HEYL, TTF2, UBC, TTF1, SOX5, MYOD1, XRCC6, CTNNB1, MAPK14, BAMBI, PPP1R15A, NEDD4L, STAMBP, YAP1, AXIN1, TP5 Protein Size: 426
Molecular Weight:	46 kDa
Gene ID:	4092
NCBI Accession:	NM_005904, NP_005895
UniProt:	O15105
Pathways:	Interferon-gamma Pathway, Cell-Cell Junction Organization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 426 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C

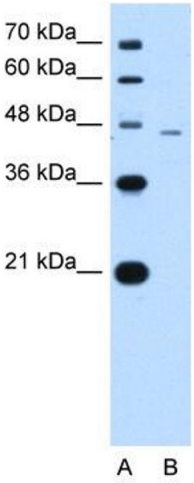
Handling

Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Nishimura, Mitne-Neto, Silva, Oliveira, Vainzof, Zatz: "A novel locus for late onset amyotrophic lateral sclerosis/motor neurone disease variant at 20q13." in: **Journal of medical genetics**, Vol. 41, Issue 4, pp. 315-20, (2004) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-SMAD7 Antibody Titration: 1.0ug/ml Positive Control: Human Lung