

SMAD3 recombinant antibody

Rabbit anti-SMAD3 Recombinant Monoclonal Antibody [BLR144J]

CATALOG # AAA213605	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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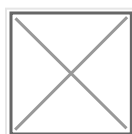
PRODUCT SYNONYMS

SMAD3; Monoclonal Recombinant Antibody; Rabbit anti-SMAD3 Recombinant Monoclonal Antibody [BLR144J]; mad homolog JV15-2; mad3; SMAD; mothers against DPP homolog 3; SMAD family member 3; SMAD 3; SMA- and MAD-related protein 3; mothers against decapentaplegic homolog 3; MADH3; Smad3; HsT17436; hMAD-3; MAD; HSPC193; JV15-2; LDS1C; LDS3; MAD homolog 3; mad protein homolog; hSMAD3; Mothers against decapentaplegic homolog 3; SMAD3 recombinant antibody

PRODUCT SPECIFICATIONS

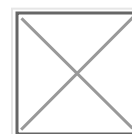
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR144J
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	400ug/ml (varies by lot)
Applicable Applications for SMAD3 recombinant antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 200 and 250
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human SMAD3 by western blot. Samples: Whole cell lysate (50 ug) from PANC-1, HeLa, A-549, Jurkat, HEK293T, K-562, U2OS, and HT-29 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-SMAD3 recombinant monoclonal antibody (AAA213605 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-COPB2 antibody .



IP (Immunoprecipitation)

Detection of human SMAD3 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from PANC-1 cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-SMAD3 recombinant monoclonal antibody (AAA213605 lot 1) used for IP at 20 ul/mg lysate. SMAD3 was also immunoprecipitated by rabbit anti-SMAD3 antibody BL-1699B-2D12. For blotting immunoprecipitated SMAD3, AAA213605 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for SMAD3 recombinant antibody	The SMAD family of proteins are a group of intracellular signal transducer proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. The SMAD3 protein functions in the transforming growth factor-beta signaling pathway, and transmits signals from the cell surface to the nucleus, regulating gene activity and cell proliferation. It also functions as a tumor suppressor. [taken from NCBI Entrez Gene (Gene ID: 4088)].
Product Categories/Family for SMAD3 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174513
NCBI GeneID	4088
NCBI Accession #	NP_005893.1
NCBI GenBank Nucleotide #	NM_005902.3
UniProt Accession #	P84022; O09064; O09144; O14510; O35273; Q92940; Q93002; A8K4B6; B7Z4Z5; B7Z6M9; B7Z9Q2; F5H383
Molecular Weight	25,722 Da
NCBI Official Full Name	mothers against decapentaplegic homolog 3 isoform 1
NCBI Official Synonym Full Names	SMAD family member 3
NCBI Official Symbol	SMAD3
NCBI Official Synonym Symbols	LDS3; LDS1C; MADH3; JV15-2; HSPC193; HsT17436
NCBI Protein Information	mothers against decapentaplegic homolog 3; mad3; hMAD-3; hSMAD3; MAD homolog 3; mad homolog JV15-2; mad protein homolog; mothers against DPP homolog 3; SMA- and MAD-related protein 3; SMAD, mothers against DPP homolog 3; MAD, mothers against decapentapleg
UniProt Protein Name	Mothers against decapentaplegic homolog 3
UniProt Gene Name	SMAD3
UniProt Synonym Gene Names	MADH3; MAD homolog 3; Mad3; Mothers against DPP homolog 3; hMAD-3; SMAD 3; Smad3; hSMAD3
UniProt Entry Name	SMAD3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/smad3-recombinant-antibody-clone-blr144j-immunoprecipitation-western-blot-elisa/213605>