

Smad1 Antibody | anti-Smad1 antibody

Smad1 (Phospho-Ser465) Antibody

CATALOG # AAA110247	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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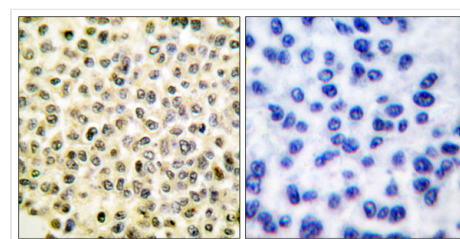
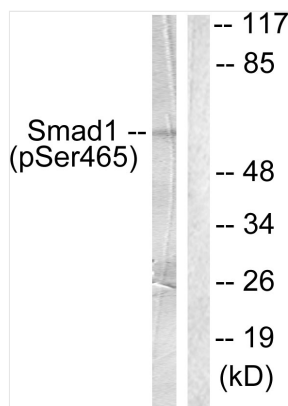
PRODUCT SYNONYMS

Smad1; Smad1 (Phospho-Ser465) Antibody; BSP-1; BSP1; Dwarf1-A; Dwf-A; JV4-1; MADH1; MADR1; Mad-related protein 1; Mad1; Mothers against DPP homolog 1; Mothers against decapentaplegic homolog 1; Mothers-against-DPP-related-1; SMAD 1; Smad 1; Transforming growth factor-beta signaling protein-1; anti-Smad1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Smad1 (Phospho-Ser465) antibody detects endogenous levels of Smad1 only when phosphorylated at serine 465.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	465
Applicable Applications for anti-Smad1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Smad1 around the phosphorylation site of serine 465 (I-S-S-V-SP).
All Sites	Human: Ser465 Mouse: Ser465 Rat: Ser468
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Smad1 (phospho-Ser465) antibody. Western blot analysis of extracts from HeLa cells treated with Serum (10%, 15min), using Smad1 (phospho-Ser465) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-Smad1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Tino D. Piscione, Am J Physiol Renal Physiol, Jan 2001; 280: 19. Evangelia Pardali, J. Biol. Chem., Feb 2000; 275: 3552. Joan Seoane, Carcinogenesis, Nov 2006; 27: 2148-2156.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51173727
NCBI GeneID	4086
NCBI Accession #	NP_001003688.1
NCBI GenBank Nucleotide #	NM_001003688.1
UniProt Accession #	Q15797; Q16636; Q9UFT8; A8KAJ0; D3DNZ9
Molecular Weight	15,406 Da
NCBI Official Full Name	mothers against decapentaplegic homolog 1
NCBI Official Synonym Full Names	SMAD family member 1
NCBI Official Symbol	SMAD1
NCBI Official Synonym Symbols	BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1
NCBI Protein Information	mothers against decapentaplegic homolog 1
UniProt Protein Name	Mothers against decapentaplegic homolog 1
UniProt Gene Name	SMAD1
UniProt Synonym Gene Names	BSP1; MADH1; MADR1; MAD homolog 1; Mothers against DPP homolog 1; SMAD 1; Smad1; hSMAD1; BSP-1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/smad1/110247>