

Product Datasheet

Smad7 Antibody (Center) (orb1929829)

Catalog Number	orb1929829
Category	Antibodies
Description	Purified Rabbit Polyclonal Antibody (Pab)
Target	SMAD7
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human
Predicted Reactivity	Rat
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Immunogen	This Smad7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-224 amino acids from the Central region of human Smad7. Antigen Region: 195-224 aa.
UniProt ID	O15105
MW	46426 Da
Tested applications	IF, IHC-P, WB
Dilution range	IF - 1:10-50, WB - 1:1000, IHC-P - 1:10-50

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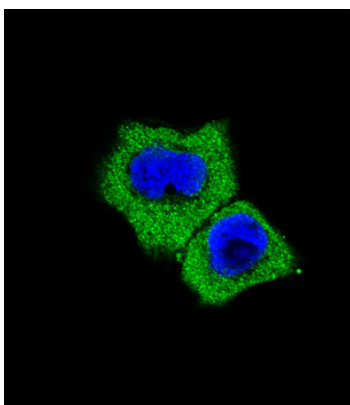
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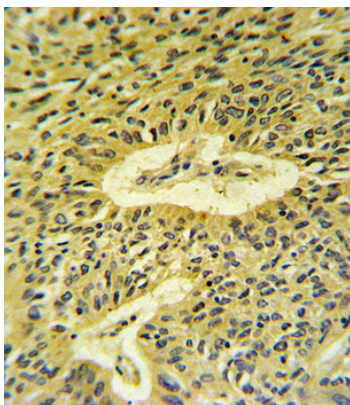
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Clone Number	BTD30710
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_001177751.1, NP_001177750.1, NP_001177752.1, NP_005895.1
Expiration Date	12 months from date of receipt.



Fluorescent confocal image of A431 cell stained with Smad7 Antibody (Center). A431 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with Smad7 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). Smad7 immunoreactivity is localized to cytoplasm significantly.



Smad7 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the Smad7 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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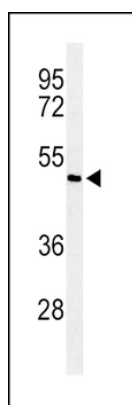
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Western blot analysis of Smad7 Antibody (Center) in ZR-75-1 cell line lysates (35 ug/lane). Smad7 (arrow) was detected using the purified Pab.

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