

Product datasheet

Anti-Smad2 + Smad3 antibody ab63672

9 References 1 Image

Overview

Product name	Anti-Smad2 + Smad3 antibody
Description	Rabbit polyclonal to Smad2 + Smad3
Host species	Rabbit
Specificity	ab63672 detects endogenous levels of total Smad2 and Smad3.
Tested applications	Suitable for: ELISA, WB
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse 
Immunogen	Synthetic non-phosphopeptide derived from human Smad2 and Smad3 around the phosphorylation site of threonine 8 (P-F-T ^P -P-P).
Positive control	COS7 cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride Without Mg ²⁺ and Ca ²⁺
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab63672** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

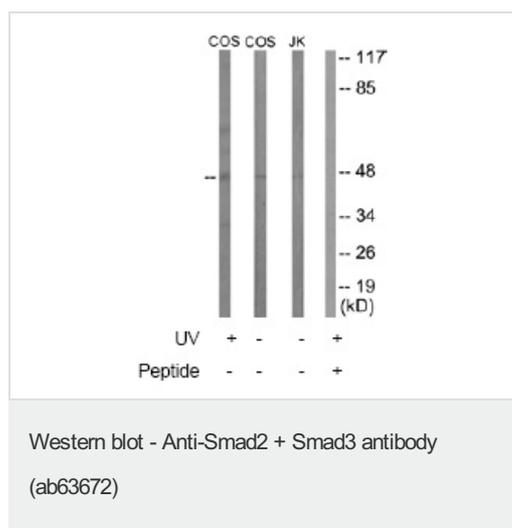
Application	Abreviews	Notes
ELISA		1/5000.
WB		1/500 - 1/1000. Detects a band of approximately 48 kDa.

Target

Relevance SMAD is a family of 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. They mediate the signal of the transforming growth factor (TGF)-beta, and thus regulate multiple cellular processes, such as cell proliferation, apoptosis, and differentiation.

Cellular localization Cytoplasm. Nucleus. Note: Cytoplasmic in the absence of ligand. Migrates to the nucleus when complexed with SMAD4.

Images



All lanes : Anti-Smad2 + Smad3 antibody (ab63672) at 1/500 dilution

Lane 1 : COS7 cell extracts treated with UV (15mins)

Lane 2 : COS7 cell extracts untreated

Lane 3 : Jurkat cell extracts treated with EGF (200ng/ml, 30mins)

Lane 4 : Jurkat cell extracts treated with EGF (200ng/ml, 30mins) with immunizing peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Observed band size: 48 kDa

[why is the actual band size different from the predicted?](#)

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