Anti-SMAD 1/5/8/9 antibody ab13723

Overview

Product name: Anti-SMAD 1/5/8/9 antibody
Description: Rabbit polyclonal to SMAD 1/5/8/9
Host species: Rabbit
Specificity: ab13723 may cross-react with SMAD2 or SMAD3. The actual SMADs detected with this antibody may vary according to cell or tissue-type specific expression

Tested applications: Suitable for: WB
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide, corresponding to amino acids 18-32 and amino acids 315-329 of Human SMAD1. These sequences are identical in human SMAD5 and SMAD8/9.
Positive control: A549 whole cell lysate.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Preservative: 0.05% Sodium azide
Constituents: PBS, 0.05% BSA
Purity: Protein G purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab13723 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
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<td>Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 51 kDa.</td>
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**Target**

**Relevance**
SMADs are members of the MAD-related family of molecules. MAD-related proteins are a family of intracellular proteins that are essential components in the signaling pathways of the serine/threonine kinase receptors of the transforming growth factor beta superfamily. SMADs can be divided into receptor-regulated SMADs, common-mediator SMAD and inhibitory SMADs. SMAD1, SMAD5, SMAD8 and SMAD9 have high degrees of homology. SMAD8 and SMAD9 are used as alternate names for the same protein. Human SMAD1 is a 465 amino acid protein, human SMAD5 is a 465 amino acid and human SMAD9 is a 430 amino acid protein.

**Cellular localization**
Cytoplasmic

**Images**

Western blot analysis of SMAD1/5/8/9 in 15 ugs of A549 cell lysate using ab13723 at 0.5 ug/ml.

Western blot analysis of SMAD1/5/8/9 in 15 ugs of A549 cell lysate using ab13723 at 0.5 ug/ml.

*Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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