

**NB100-56443****SMAD1/5/8/9 Antibody****Unit Size**

0.1 mg

**Concentration**

0.5 mg/ml

**Storage**

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

**Applications**

WB

**Species**

Human, Mouse, Rat, Chicken, Primate

**Molecular Weight**

52kDa

**Host**

Rabbit

**Clonality**

Polyclonal

**Purity**

Protein G purified

**Preservative**

0.05% Sodium Azide

**Specificity/Sensitivity**

In A549, a 50 kDa band is observed. The two synthetic peptide immunogens (LGWKQGDEEEKWAEK) and (SNVNRNSTIENTRRHI) used to make this antibody are 100% conserved between SMAD1/5/8/9. Therefore, the antibody recognizes SMADs 1, 5, 8, and 9. The antibody may cross-react with SMAD2 or SMAD3. The actual SMADs detected with this antibody may vary according to cell or tissue-type specific expression.

**Immunogen**

This antibody was developed against two synthetic peptides corresponding to amino acids 18-32 ([BLAST]LGWKQGDEEEKWAEK[BLAST]) and amino acids 315-330 ([BLAST]SNVNRNSTIENTRRHI[BLAST]) of human SMAD1; GenBank Accession No. AAP36050.1. These sequences are 100% conserved between SMAD1, SMAD5, SMAD8 and SMAD9. They are 100% conserved between human and multiple species.

**Recommended Dilutions**

Western Blot 1-3 ug/ml

**Buffer**

PBS containing 0.2% gelatin

**Uses**

Western Blot

**Images**

Western Blot: SMAD1/5/8/9 Antibody [NB100-56443] - Western blot analysis of SMAD in 15 ug of A549 cell lysate using NB100-56443 at 2 ug/ml.



Updated 3/9/2013 2.0

**Limitations:** This product is for research use only and is not approved for use in humans or in clinical diagnosis. Products are guaranteed for six months from the date of receipt except for peptides and proteins which are guaranteed for 3 months. **For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

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