

## Rabbit Phospho-Smad5-S463/S465 Polyclonal Antibody | anti-Smad5-S463/S465 antibody

Phospho-Smad5-S463/S465 Rabbit pAb

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA282312</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

Phospho-Smad5-S463/S465; Polyclonal Antibody; Phospho-Smad5-S463/S465 Rabbit pAb; DWFC; JV5-1; MADH5; anti-Smad5-S463/S465 antibody

### PRODUCT SPECIFICATIONS

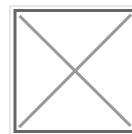
|                                                           |                                                                                                                    |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Host                                                      | Rabbit                                                                                                             |
| Reactivity                                                | Human, Mouse, Rat                                                                                                  |
| Clonality                                                 | Polyclonal                                                                                                         |
| Isotype                                                   | IgG                                                                                                                |
| Purity/Purification                                       | Affinity purification                                                                                              |
| Form/Format                                               | PBS with 0.05% proclin300, 50% glycerol, pH7.3.                                                                    |
| Sequence                                                  | SLDENECRVM KGNPSATAGP KASPTPQKTS AKSPGPMRRS KSPADSGNDQ DANGTSSSQL STPKSKQSPI<br>STPTSPGSLR KHKDLYLPLS LDDSDSLGDS M |
| Applicable Applications for anti-Smad5-S463/S465 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                      |
| Immunogen                                                 | A synthetic phosphorylated peptide around S463 & S465 of human Phospho-Smad5-S463/S465 (NP_005894.3).              |
| Cellular Location                                         | cytoplasm, cytosol, nucleoplasm, nucleus                                                                           |
| Preparation and Storage                                   | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                   |

### IMAGES



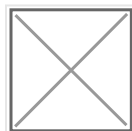
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using Phospho-Smad5-S463/S465 Rabbit pAb at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



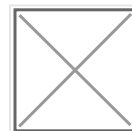
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using Phospho-Smad5-S463/S465 Rabbit pAb at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using Phospho-Smad5-S463/S465 Rabbit pAb at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### WB (Western Blot)

Western blot analysis of extracts of NIH/3T3, using Phospho-Smad5-S463/S465 antibody at 1:675 dilution. NIH/3T3 cells were treated by BMP4 (50 ng/ml) at 37 degree C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Smad5-S463/S465 antibody | The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014] |
| Product Categories/Family for anti-Smad5-S463/S465 antibody   | Cell Biology & Developmental Biology; Epigenetics & Nuclear Signaling; ESC Pluripotency and Differentiation; Signal Transduction; Stem Cells; TGF-b-Smad Signaling Pathway; TGF-b-Smad Signaling Pathway_SMADs; Phosphorylated Antibodies                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                        | 30181246                                                                                |
| NCBI GeneID                      | 1641                                                                                    |
| NCBI Accession #                 | NP_000546.2                                                                             |
| NCBI GenBank Nucleotide #        | NM_000555.3                                                                             |
| UniProt Accession #              | O43602; O43911; Q5JYZ5; A6NFY6; A9Z1V8; D3DUY8; D3DUY9; D3DUZ0                          |
| Molecular Weight                 | 49,318 Da                                                                               |
| NCBI Official Full Name          | neuronal migration protein doublecortin isoform a                                       |
| NCBI Official Synonym Full Names | doublecortin                                                                            |
| NCBI Official Symbol             | DCX                                                                                     |
| NCBI Official Synonym Symbols    | DC; DBCN; LISX; SCLH; XLIS                                                              |
| NCBI Protein Information         | neuronal migration protein doublecortin; lis-X; doublin; doublecortex; lissencephalin-X |
| UniProt Protein Name             | Neuronal migration protein doublecortin                                                 |
| UniProt Gene Name                | DCX                                                                                     |
| UniProt Synonym Gene Names       | DBCN; LISX; Lis-X                                                                       |
| UniProt Entry Name               | DCX_HUMAN                                                                               |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phospho-smad5-s463-s465-antibody-immunohistochemistry-western-blot-elisa/282312>