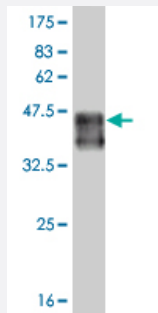


SMAD9 monoclonal antibody (M02), clone 3E5

Catalog # H00004093-M02

Size 100 ug

Applications



Western Blot detection against Immunogen (38.65 KDa) .

Specification

| | |
|--------------------------------------|---|
| Product Description | Mouse monoclonal antibody raised against a full length recombinant SMAD9. |
| Immunogen | SMAD9 (NP_005896, 146 a.a. ~ 260 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | RHSEYNPQLSLLAKFRSASLHSEPLMPHNATYPDSFQQPPCSALPPSPSHAFSQSPCTASYPHS PGSPSEPESPYQHSDFRPVCYEPPQHWCSVAYYELNNRVGETFQASSRSVL |
| Host | Mouse |
| Reactivity | Human |
| Interspecies Antigen Sequence | Mouse (90) |
| Isotype | IgG2a Kappa |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.65 KDa) . |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SMAD9

| | |
|---------------------|--|
| Entrez GeneID | 4093 |
| GeneBank Accession# | NM_005905 |
| Protein Accession# | NP_005896 |
| Gene Name | SMAD9 |
| Gene Alias | MADH6, MADH9, SMAD8A, SMAD8B |
| Gene Description | SMAD family member 9 |
| Omim ID | 603295 |
| Gene Ontology | Hyperlink |
| Gene Summary | SMAD family members, such as SMAD9, transduce signals from members of the TGF-beta (see TGFB1; MIM 190180) superfamily, which regulate growth, differentiation, apoptosis, and development (Nishita et al., 1999 [PubMed 10583507]).[supplied by OMIM] |
| Other Designations | MAD (mothers against decapentaplegic, Drosophila) homolog 9 MAD, mothers against decapentaplegic homolog 9 Mothers against decapentaplegic, drosophila, homolog of, 9 OTTHUMP00000178565 SMAD, mothers against DPP homolog 9 |

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)