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Recombinant Smad4 Monoclonal Antibody

catalog number: AN300827L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human Smad4 protein

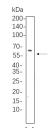
HostRabbitIsotypeIgG,κCloneB770PurificationProtein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:2000-1:10000

Data



Western Blot with Recombinant Smad4 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: C6 whole cell lysate.

Observed-MW:60 kDa Calculated-MW:60 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

This gene encodes a member of the Smad family of signal transduction proteins. Smad proteins are phosphorylated and activated by transmembrane serine-threonine receptor kinases in response to TGF-beta signaling. The product of this gene forms homomeric complexes and heteromeric complexes with other activated Smad proteins, which then accumulate in the nucleus and regulate the transcription of target genes. This protein binds to DNA and recognizes an 8-bp palindromic sequence (GTCTAGAC) called the Smad-binding element (SBE). The Smad proteins are subject to complex regulation by post-translational modifications. Mutations or deletions in this gene have been shown to result in pancreatic cancer, juvenile polyposis syndrome, and hereditary hemorrhagic telangiectasia syndrome.