bs-11836R **[Primary Antibody]**

Dact2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 168002 **SWISS:** Q5SW24

Target: Dact2

Immunogen: KLH conjugated synthetic peptide derived from human Dact2: 711-774/774.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Dapper2 is a 774 amino acid protein that exists as multiple alternatively spliced isoforms and is a mammalian homolog of the Xenopus laevis protein dapper. Containing a C-terminal PDZ-binding motif, Dapper2 is thought to promote the lysosomal degradation of nodal receptors, possibly functioning to negatively regulate the nodal signaling pathway. The gene encoding Dapper2 maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Chicken)

Predicted MW.: 83 kDa

Subcellular Location: Cytoplasm