bs-10056R **[Primary Antibody]**

KNDC1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 85442 **SWISS:** Q76NI1

Target: KNDC1

Immunogen: KLH conjugated synthetic peptide derived from human KNDC1: 1601-1749/1749.

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: KNDC1 is a 1,749 amino acid protein that contains two KIND domains and an N-terminal Ras-GEF domain. Expressed in the cerebral cortex, KNDC1 is a likely guanine nucleotide exchange factor (GEF). Existing as six alternatively spliced isoforms, the gene encoding KNDC1 maps to human chromosome 10q26.3 and mouse chromosome 7 F4. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman’ s syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

Applications: **WB** (1:500-2000)
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, Pig, Chicken)

Predicted MW.: 192 kDa

Subcellular Location: Cytoplasm ,Nucleus