

bs-17713R**[Primary Antibody]****MON2 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	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, Rabbit, Dog, Horse) Predicted MW.: 190 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 23041	SWISS: Q7Z3U7	
Target: MON2		
Immunogen: KLH conjugated synthetic peptide derived from human MON2: 1601-1700/1717.		
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: MON2 is a 1,718 amino acid protein that exists as multiple alternatively spliced isoforms and plays an important role in membrane trafficking. Related to the guanine nucleotide exchange factors (GEFs), MON2 shares significant homology with BIG as well as the GBF (Golgi brefeldin A resistance factor) subfamilies of proteins. MON2 acts as a scaffold protein when associated with Dopey-1, a large cytoplasmic protein involved in trafficking between the late golgi and early endosomes. MON2 is homologous to the yeast protein and is encoded by a gene located on human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders.		