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## ANGEL2 Antibody Blocking Peptide

Catalog Number: bs-9742P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: ANGEL2 is a 544 amino acid protein that belongs to the CCR4/nocturin family and exists as two alternatively spliced isoforms. The CCR4 family of proteins are 3'-5'-deadenylases that function in the first step of the degradation of poly(A) mRNA. The CCR4 family most likely displays both RNA and ssDNA substrate preferences, thereby implicating a potential role in many regulatory processes. The ANGEL2 gene maps to human chromosome 1 (1q32.3), which is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. Chromosome 1 contains about 3,000 genes, and considering the great number of genes there are also a large number of diseases associated with it. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons disease, Gaucher disease and Usher syndrome are also associated with chromosome 1.