

For Research Use Only

CYP19A1 Polyclonal antibody

Catalog Number:28379-1-AP



Basic Information

Catalog Number: 28379-1-AP	GenBank Accession Number: BC035959	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 1588	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P11511	
Isotype: IgG	Full Name: cytochrome P450, family 19, subfamily A, polypeptide 1	
Immunogen Catalog Number: AG29004	Observed MW: 58-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HL-60 cells, K-562 cells
Species Specificity: human	

Background Information

CYP19A1(Cytochrome P450 19A1) is also named as ARO1(aromatase), CYAR, CYP19, estrogen synthase and belongs to the cytochrome P450 family. It is a terminal enzyme which transforms irreversibly androgens into estrogens and it is present in the endoplasmic reticulum of numerous tissues(PMID:16406261). The gene encodes a protein with the molecular weight between 46 kDa and 69 kDa(PMID:8129748) and the protein can be glycosylated, but the level of glycosylation does not seem to be essential for CYP19A1 activity(PMID:12606587). Brain aromatase may be neuroprotective by increasing the local estrogen levels in injured neurons so that genetic variation in the brain aromatase gene may modify the risk for AD(PMID:16767510).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

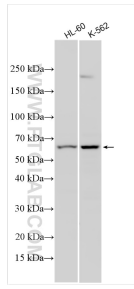
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28379-1-AP (CYP19A1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.