

For Research Use Only

CYP19A1 Polyclonal antibody

Catalog Number: 28379-1-AP



Basic Information

Catalog Number:

28379-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29004

GenBank Accession Number:

BC035959

GeneID (NCBI):

1588

UNIPROT ID:

P11511

Full Name:

cytochrome P450, family 19,
subfamily A, polypeptide 1

Observed MW:

58-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HL-60 cells, K-562 cells

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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

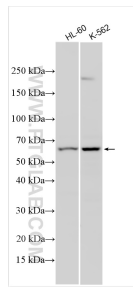
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.