

Cytochrome P450 24A1 Antibody

Catalog No: #34229



Package Size: #34229-1 50ul #34229-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

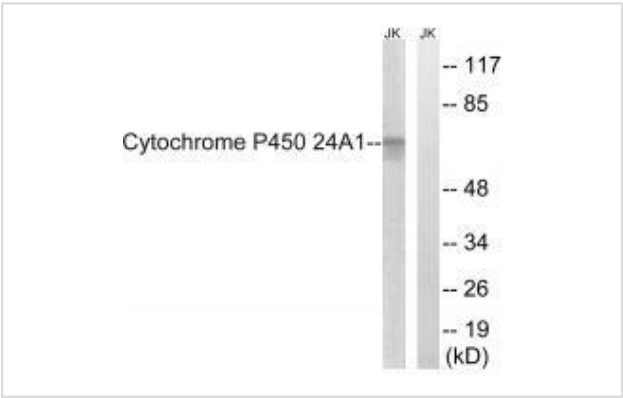
Description

Product Name	Cytochrome P450 24A1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total Cytochrome P450 24A1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human Cytochrome P450 24A1.
Target Name	Cytochrome P450 24A1
Other Names	1,25-dihydroxyvitamin D; 24- hydroxylase; 24-OHase; 24-hydroxylase
Accession No.	Swiss-Prot: Q07973NCBI Gene ID: 1591
Uniprot	Q07973
GeneID	1591;
SDS-PAGE MW	60kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from HUVEC cells, using Cytochrome P450 24A1 antibody #34229.

Background

Has a role in maintaining calcium homeostasis. Catalyzes the NADPH-dependent 24-hydroxylation of calcidiol (25-hydroxyvitamin D3) and calcitriol (1- α ,25-dihydroxyvitamin D3). The enzyme can perform up to 6 rounds of hydroxylation of calcitriol leading to calcitroic acid. It also shows 23-hydroxylating activity leading to 1- α ,25-dihydroxyvitamin D(3)-26,23-lactone as end product.

Chen K.-S., Proc. Natl. Acad. Sci. U.S.A. 90:4543-4547(1993).

Deloukas P., Nature 414:865-871(2001).

Chen K.-S., Biochim. Biophys. Acta 1263:1-9(1995).

Note: This product is for in vitro research use only