

Cytochrome P450 3A4 Antibody

Catalog No: #34243

Package Size: #34243-1 50ul #34243-2 100ul

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

Description

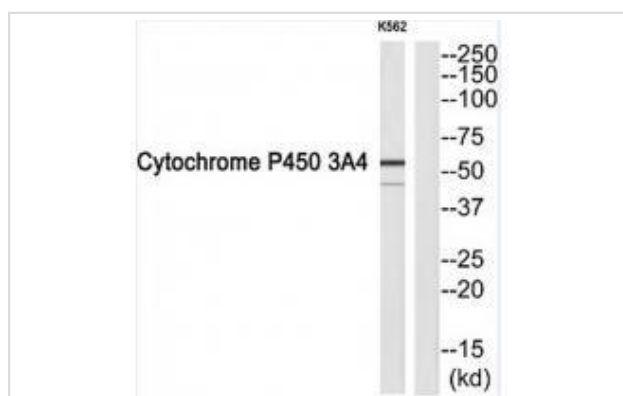
Product Name	Cytochrome P450 3A4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total Cytochrome P450 3A4 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human Cytochrome P450 3A4.
Target Name	Cytochrome P450 3A4
Other Names	Cytochrome P450 3A4; EC 1.14.13.67; Quinine 3-monooxygenase; CYP3A4; Nifedipine oxidase
Accession No.	Swiss-Prot: P08684NCBI Gene ID: 1576
Uniprot	P08684
GeneID	1576;
SDS-PAGE MW	57kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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

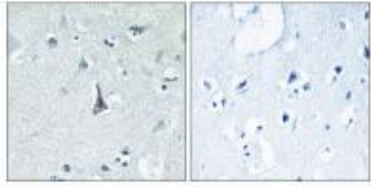
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from K562 cells, using P450 3A4 antibody #34243.

Immunohistochemistry analysis of paraffin-embedded human brain tissue using Cytochrome P450 3A4 antibody #34243.



Background

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulfoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. Acts as a 1,8-cineole 2-exo-monooxygenase. The enzyme also hydroxylates etoposide.

Vuoristo M.M., J. Biol. Chem. 270:22873-22881(1995).

Mungall A.J., Nature 425:805-811(2003).

Lui V.C., Genomics 32:401-412(1996).

Note: This product is for in vitro research use only