

Datasheet for ABIN272272
anti-CYP27A1 antibody



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Overview

Quantity:	0.1 mg
Target:	CYP27A1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP27A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of CYP27A1 protein. (region surrounding Glu131)
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Purity:	> 95 % pure by SDS-PAGE

Target Details

Target:	CYP27A1
Alternative Name:	CYP27A1 (CYP27A1 Products)
Background:	The immunosuppressant cyclosporin A (CsA) forms a trimolecular complex with cyclophilin and calcineurins to inhibit calcineurin phosphatase activity.Cyclophilins are conserved,

Target Details

ubiquitous and abundant cytosolic peptidyl-prolyl cis-trans isomerases that accelerate the isomerization of XaaPro peptide bonds and the refolding of proteins. Human cyclophilin A (CyPA), an intracellular protein of 165 amino acids, is the target of the CsA and is encoded by a single unique gene conserved from yeast to humans. CyPA is involved in T cell differentiation and proliferation and is highly expressed in brain. CyPA is incorporated into the virion of the type 1 human immunodeficiency virus (HIV-1) via a direct interaction with the capsid domain of the viral Gag polyprotein and is crucial for efficient viral replication. Synonyms: 12-alpha-triol 27-hydroxylase, 5-beta-cholestane-3-alpha, 7-alpha, CYP27, Cytochrome P-450C27/25, Cytochrome P450 27, Sterol 26-hydroxylase, Sterol 27-hydroxylase, Vitamin D3-25-hydroxylase

Molecular Weight: approx. 60 kDa

Gene ID: 1593

NCBI Accession: [NP_000775](#)

UniProt: [Q02318](#)

Application Details

Application Notes: ELISA: 1: 10000 approx. 1: 20000. WB: 1: 500 approx. 1: 1000.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.2., 0.05 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: DO NOT FREEZE!

Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.

Publications

Product cited in: Duan, Fu, Wang, Ni, Zhao: "Cholesterol deregulation induced by chronic corticosterone (CORT) stress in pectoralis major of broiler chickens." in: **Comparative biochemistry and physiology. Part A, Molecular & integrative physiology**, Vol. 176, pp. 59-64, (2014) ([PubMed](#)).

Haag, Stadel, Zhou, Bachem, Möller, Debatin, Fulda: "Identification of c-FLIP(L) and c-FLIP(S) as critical regulators of death receptor-induced apoptosis in pancreatic cancer cells." in: **Gut**, Vol. 60, Issue 2, pp. 225-37, (2011) ([PubMed](#)).

Korzekwa, Bah, Kurzynowski, Lukasik, Groblewska, Skarzynski: "Leukotrienes modulate secretion of progesterone and prostaglandins during the estrous cycle and early pregnancy in cattle: an in vivo study." in: **Reproduction (Cambridge, England)**, Vol. 140, Issue 5, pp. 767-76, (2011) ([PubMed](#)).

Images

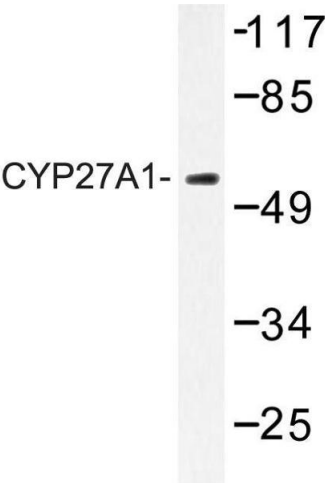


Image 1.