10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ERPINA6/Cortisol Binding Globulin Rabbit pAb

Catalog # AP96753

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P08185
Other Accession	P08185
Reactivity	Human
Predicted	Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45141
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Cortisol Binding Globulin
Epitope Specificity	121-220/405
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the serpin family.
Post-translational modifications	N-glycosylated; binds 5 oligosaccharide chains. Glycosylation in position Asn-260 is needed for steroid binding.
DISEASE	Defects in SERPINA6 are a cause of corticosteroid-binding globulin deficiency (CBG deficiency) [MIM:611489]. CBG deficiency is an extremely rare hereditary disorder characterized by reduced corticosteroid-binding capacity with normal or low plasma corticosteroid-binding globulin concentration, and normal or low basal cortisol levels associated with hypo/hypertension and muscle fatigue.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes an alpha-globulin protein with corticosteroid-binding properties. This is the major transport protein for glucorticoids and progestins in the blood of most vertebrates. The gene localizes to a chromosomal region containing several closely related serine protease inhibitors which may have evolved by duplication events. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	866
Other Names	CBG; CBG_HUMAN; SERPINA6; Serpin A6; Transcortin; serpin family A member 6; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6; corticosteroid binding globulin

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SERPINA6
Synonyms	CBG
Function	Major transport protein for glucocorticoids and progestins in the blood of almost all vertebrate species.
Cellular Location	Secreted.
Tissue Location	Plasma; synthesized in liver. Has also been identified in a number of glycocorticoid responsive cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.