

Rabbit anti-Human, Mouse Cortisol Binding Globulin/CBG/SERPINA6 Polyclonal Antibody | anti-CBG/SERPINA6 antibody

Cortisol Binding Globulin/CBG/SERPINA6 Polyclonal Antibody (Capture/Detector)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA179730	Rabbit	Human, Mouse	ELISA, Immunofluorescence, Western Blot

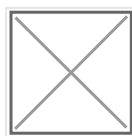
PRODUCT SYNONYMS

Cortisol Binding Globulin/CBG/SERPINA6; Polyclonal Antibody; Cortisol Binding Globulin/CBG/SERPINA6 Polyclonal Antibody (Capture/Detector); Corticosteroid-binding gLobulin; CBG; Serpin A6; Transcortin; SERPINA6; anti-CBG/SERPINA6 antibody

PRODUCT SPECIFICATIONS

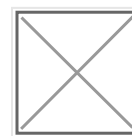
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-CBG/SERPINA6 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant Human Cortisol Binding Globulin/CBG/SERPINA6 SERPINA6 Protein expressed by Mammalian
Preparation and Storage	Store at 4 degree C valid for 12 months or -20 degree C valid for long term storage, avoid freeze/thaw cycles.

IMAGES



ELISA

Sandwich ELISA-Recombinant Human Cortisol Binding Globulin/CBG/SERPINA6 SERPINA6 Protein standard curve. Background subtracted standard curve using Cortisol Binding Globulin/CBG/SERPINA6 antibody(AAA179730)(Capture), Cortisol Binding Globulin/CBG/SERPINA6 antibody(AAA179730)(Detector) in sandwich ELISA. The reference range value for Recombinant Human Cortisol Binding Globulin/CBG/SERPINA6 SERPINA6 Protein is 7.81-500ng/mL.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using Cortisol Binding Globulin/CBG/SERPINA6 Polyclonal Antibody at dilution of 1:200



WB (Western Blot)

Western Blot with Cortisol Binding Globulin/CBG/SERPINA6 Polyclonal Antibody at dilution of 1:500. Lane 1: Human plasma

ADDITIONAL INFORMATION

Related Product Information for anti-CBG/SERPINA6 antibody	Corticosteroid-binding globulin (CBG), also known as SerpinA6, is a non-inhibitory member of the serine proteinase inhibitor (serpin) superfamily. It is the high-affinity transport protein for glucocorticoids in vertebrate blood. CBG is specifically cleaved by this protease at a precise site close to its carboxy-terminus. This induces a conformation change and disrupts the binding between glucocorticoids and CBG, and promotes a significant and local release of glucocorticoids (over 90% of them are bound to CBG in human plasma). In this context, CBG directs glucocorticoids to sites of inflammation, and plays in consequence a crucial role in efficient glucocorticoid action in physiology. The SerpinA6 protein is mainly secreted by the liver. This negative acute phase protein regulates free cortisol levels in the blood and distributes cortisol to its target tissues. SerpinA6 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. There are three heritable, human CBG gene mutations that can reduce CBG-cortisol binding affinity and/or reduce circulating CBG levels.
Product Categories/Family for anti-CBG/SERPINA6 antibody	Polyclonal Antibodies ; Primary Antibodies ; Polyclonal Antibodies ; Signal Transduction ; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	115851
NCBI GeneID	866
UniProt Accession #	P08185 ; Q7Z2Q9 ; A8K456
Molecular Weight	45,141 Da
NCBI Official Full Name	Corticosteroid-binding globulin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6
NCBI Official Symbol	SERPINA6
NCBI Official Synonym Symbols	CBG
NCBI Protein Information	corticosteroid-binding globulin; serpin A6; transcortin; corticosteroid binding globulin; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6
UniProt Protein Name	Corticosteroid-binding globulin
UniProt Gene Name	SERPINA6
UniProt Synonym Gene Names	CBG; CBG
UniProt Entry Name	CBG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cortisol-binding-globulin-cbg-serpina6-antibody-immunofluorescence-western-blot-elisa/179730>