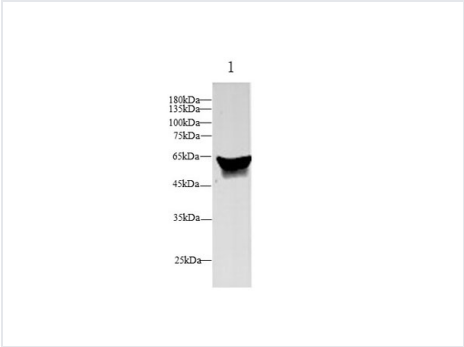
SERPINA6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SERPINA6, Polyclonal Antibody
Full Product Name	SERPINA6 Polyclonal Antibody
Product Gene Name	anti-SERPINA6 antibody
Product Synonym Names	SERPINA6; CBG; Serpin A6; Transcortin; Corticosteroid-binding globulin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% sodium azide,1% protective protein and 50% glycerol,pH7.4
Purity/Purification	Antigen Affinity Purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles.
Molecular Weight	45,141 Da
OMIM	122500
3D Structure	ModBase 3D Structure for P08185
Immunogen	Recombinant Human SERPINA6 protein expressed by Mammalian
Product Categories/Family for anti-SERPINA6 antibody	Polyclonal Antibodies; Primary Antibodies; Polyclonal Antibodies; Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SERPINA6 antibody	Western Blot (WB)
Application Notes for anti-SERPINA6 antibody	WB: 1:500-1:1000
Related Product Information for anti-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.
Other Notes	Small volumes of anti-SERPINA6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for SERPINA6 purchase	MBS2579145 is an antibody targeting SERPINA6. Also known as SERPINA6 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SERPINA6 antibody
Western blot with SERPINA6 Polyclonal antibody at dilution of 1:500.lane 1:Human plasma

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPINA6. It may not necessarily be applicable to this product.

NCBI GI #	115851
NCBI GeneID	866
NCBI Accession #	P08185.1
UniProt Primary Accession #	P08185
UniProt Secondary Accession #	Q7Z2Q9; A8K456
UniProt Related Accession #	P08185
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
UniProt Protein Name	Corticosteroid-binding globulin
UniProt Synonym Protein Names	Serpin A6; Transcortin
Protein Family	Corticosteroid-binding globulin
UniProt Gene Name	SERPINA6
UniProt Synonym Gene Names	CBG; CBG
UniProt Entry Name	CBG_HUMAN
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
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