

Anti-Cortisol Binding Globulin antibody [EPR4615] ab110648

Recombinant RabMAb

[1 References](#) [2 Images](#)

Overview

Product name	Anti-Cortisol Binding Globulin antibody [EPR4615]
Description	Rabbit monoclonal [EPR4615] to Cortisol Binding Globulin
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal artery, plasma and placenta lysates
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR4615
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab110648 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

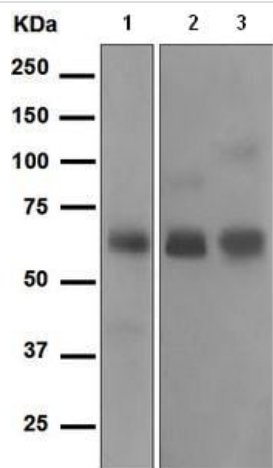
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 60 kDa (predicted molecular weight: 45 kDa).

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

Function	Major transport protein for glucocorticoids and progestins in the blood of almost all vertebrate species.
Tissue specificity	Plasma; synthesized in liver. Has also been identified in a number of glucocorticoid responsive cells.
Involvement in 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.
Sequence similarities	Belongs to the serpin family.
Post-translational modifications	N-glycosylated; binds 5 oligosaccharide chains. Glycosylation in position Asn-260 is needed for steroid binding.
Cellular localization	Secreted.

Images



Western blot - Anti-Cortisol Binding Globulin antibody [EPR4615] (ab110648)

All lanes : Anti-Cortisol Binding Globulin antibody [EPR4615] (ab110648) at 1/1000 dilution

Lane 1 : Human fetal artery lysate

Lane 2 : Human plasma lysate

Lane 3 : Human placenta lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 45 kDa

Observed band size: 60 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Cortisol Binding Globulin antibody [EPR4615] (ab110648)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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