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Datasheet

Ver.1 Date : 20180222

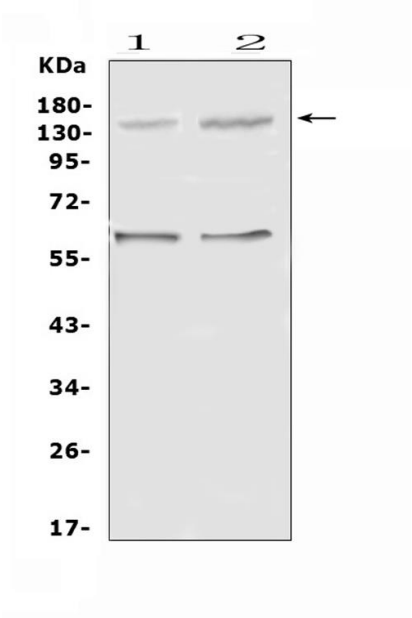
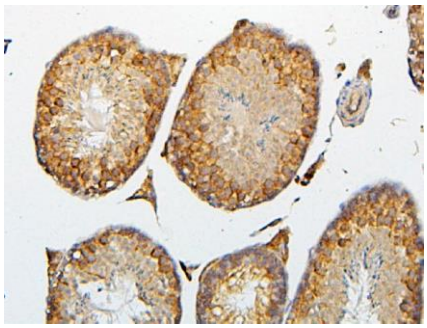
CRB1 Polyclonal Antibody

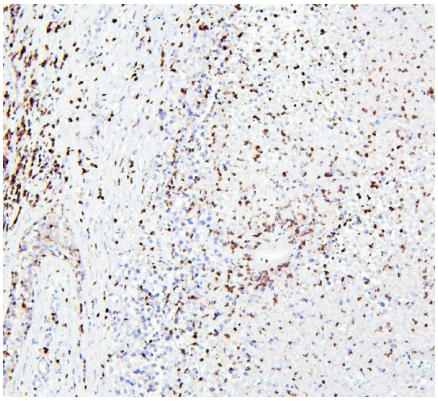
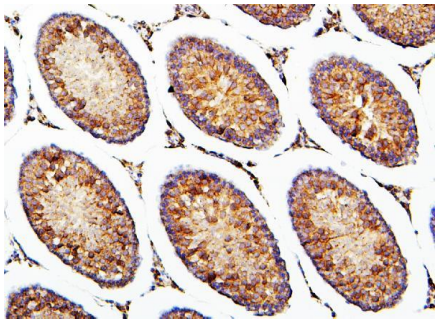
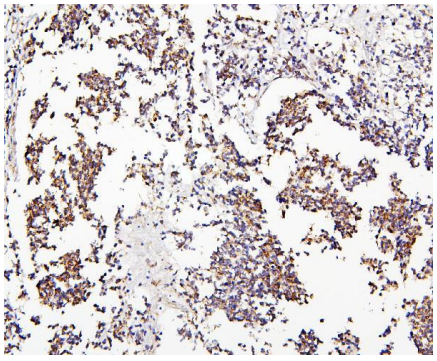
Cat# A540107

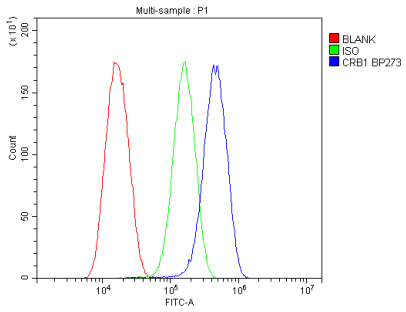
Upon receipt, store at -20°C. Avoid repeated freeze.

INFORMATION

Product Name	CRB1 Polyclonal Antibody
Cat. No.	A540107
Size	100μg
Uniprot	P82279
Product type	Primary Antibody
Species Reactivity	Human
Immunogen	E. coli-derived human CRB1 recombinant protein
Host	Rabbit
Clonality	Polyclonal
Tested applications	ELISA, Flow Cytometry, IHC-P, IHC-F, ICC, WB
Application	Western blot, 0.1-0.5μg/ml Immunohistochemistry(Paraffin-embedded Section), 0.5-1μg/ml, By Heat Immunohistochemistry(Frozen Section), 0.5-1μg/ml, Immunocytochemistry, 0.5-1μg/ml, Flow Cytometry, 1-3μg/1x106 cells, Direct ELISA, 0.1-0.5μg/ml
Conjugation	Unconjugated
Storage instruction	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Alias	crumbs homolog 1 (Drosophila)；LCA8

Image		Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human HepG2 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CRB1 antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CRB1 at approximately 154KD. The expected band size for CRB1 is at 154KD.
		CRB1 was detected in paraffin-embedded section of mouse testis tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti- CRB1 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

		CRB1 was detected in paraffin-embedded section of human testis tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti- CRB1 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.
		CRB1 was detected in paraffin-embedded section of rat testis tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti- CRB1 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.
		CRB1 was detected in paraffin-embedded section of human glioma tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti- CRB1 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

		Overlay histogram showing U87 cells stained with (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti- CRB1 Antibody (1µg/1x106 cells) for 30 min at 20°C. Goat Anti-Rabbit IgG, DyLight 488 (5-10µg/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1µg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

PRODUCT USE LIMITATION

These products are intended for research use only.