

## **Product Datasheet**

## CBS antibody GRP139

Description	The protein encoded by this gene acts as a homotetramer to catalyze the conversion of homocysteine to cystathionine, the first step in the transsulfuration pathway. The encoded protein is allosterically activated by adenosyl-methionine and uses pyridoxal phosphate as a cofactor. Defects in this gene can cause cystathionine beta-synthase deficiency (CBSD), which can lead to homocystinuria. [provided by RefSeq]	
Species/Host	Rabbit	A (144.50)
Reactivity	Human, Mouse, Rat	Store March
Conjugation	Unconjugated	and tells
Tested Applications	ICC, IF, IHC-P, IP, WB	Immunohistochemical
Immunogen	Recombinant protein encompassing a sequence within the cente region of human CBS. The exact sequence is proprietary.	of paraffin-embedded OVCAR3 xenograft , using
Form/Appearance	Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.	CBS(GRP591) antibody at 1:500 dilution.
Concentration	1 mg/ml	
Storage	Store as concentrated solution. Centrifuge briefly prior to openin- vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.	
Note	For research use only.	CBS antibody detects CBS
Isotype	IgG	protein at cytoplasm by immunofluorescent
Clonality	Polyclonal	cells were fixed in ice-cold
Purity	Purified by antigen-affinity chromatography.	MeOH for 5 min.Green: CBS
Uniprot ID	P35520 P0DN79	protein stained by CBS antibody
Entrez	875	1:200.Blue: Hoechst 33342 staining.
Dilution Range	WB: 1:500-1:3000,ICC: 1:100-1:1000,IHC-P: 1:100-1:1000,IP: 1:100-1:500	J