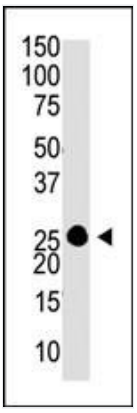
GCAP1 Antibody – Rabbit Polyclonal

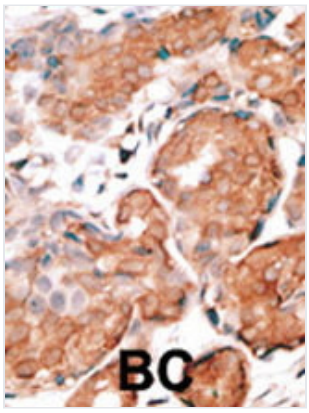
PRODUCT OVERVIEW

Product Name	GCAP1, Polyclonal Antibody
Full Product Name	GCAP1, CT (Guanylyl Cyclase-activating Protein 1, GCAP 1, Guanylate Cyclase Activator 1A, GUCA1A, C6orf131, GCAP, GCAP1, GUCA1) (APC)
Product Gene Name	anti-GCAP1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human GCAP1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Do not freeze APC conjugates. Light sensitive. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	22,920 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (42123144..42147794). Location: 6p21.1
OMIM	600364
3D Structure	ModBase 3D Structure for P43080
Immunogen	Synthetic peptide selected from the C-terminal region of human GCAP1 (KLH).
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-GCAP1 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-GCAP1 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-GCAP1 antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-GCAP1 antibody	MBS6479343 is an antibody targeting GCAP1. Also known as GCAP1, CT (Guanylyl Cyclase-activating Protein 1, GCAP 1, Guanylate Cyclase Activator 1A, GUCA1A, C6orf131, GCAP, GCAP1, GUCA1) (APC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-GCAP1 antibody	1. Pennesi, M.E., et al., Proc. Natl. Acad. Sci. USA 100(11):6783-6788 (2003). 2. Payne, A.M., et al., Hum. Mol. Genet. 7(2):273-277 (1998). 3. Subbaraya, I., et al., J. Biol. Chem. 269(49):31080-31089 (1994).

Other Notes	Small volumes of anti-GCAP1 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.



Western Blot (WB) of anti-GCAP1 antibody
The anti-GCAP1 C-term Pab is used in Western blot to detect GCAP1 in Y79 cell lysate.



Immunohistochemistry (IHC) of anti-GCAP1 antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GCAP1. It may not necessarily be applicable to this product.

NCBI GI #	40254415
NCBI GeneID	2978
NCBI Accession #	NP_000400.2
UniProt Primary Accession #	P43080
UniProt Secondary Accession #	Q7Z6T1; Q9NU14; B3KWT4
UniProt Related Accession #	P43080
GenBank Nucleotide #	NM_000409.3
NCBI Official Full Name	guanylyl cyclase-activating protein 1
NCBI Official Synonym Full Names	guanylate cyclase activator 1A (retina)
NCBI Official Symbol	GUCA1A
NCBI Official Synonym Symbols	COD3; GCAP; GUCA; GCAP1; GUCA1; CORD14; C6orf131; dJ139D8.6
UniProt Protein Name	Guanylyl cyclase-activating protein 1
UniProt Synonym Protein Names	Guanylate cyclase activator 1A
UniProt Gene Name	GUCA1A
UniProt Synonym Gene Names	C6orf131; GCAP; GCAP1; GUCA1
UniProt Entry Name	GUC1A_HUMAN
NCBI Protein Information	guanylyl cyclase-activating protein 1; GCAP 1; cone dystrophy 3; OTTHUMP00000016397; OTTHUMP00000196466; OTTHUMP00000196468; guanylin 1, retina; guanylate cyclase-activating protein, photoreceptor 1

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