

GGTLC2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10216C

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q14390
Other Accession	B5MD39 , A6NGU5 , P36268 , P07314 , P20735 , Q60928 , P19440 , NP_954578.2
Reactivity	Human
Predicted	Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24615
Calculated MW	23661
Antigen Region	127-154

Additional Information

Gene ID	91227
Other Names	Gamma-glutamyltransferase light chain 2, Gamma-glutamyltransferase-like protein 4, GGTLC2, GGTL4
Target/Specificity	This GGTLC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-154 amino acids from the Central region of human GGTLC2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GGTLC2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GGTLC2
Synonyms	GGTL4

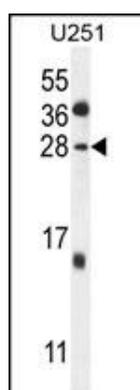
Background

Gamma-glutamyltransferase-1 (GGT1; MIM 612346) is a membrane-bound extracellular enzyme that cleaves gamma-glutamyl peptide bonds in glutathione and other peptides and transfers the gamma-glutamyl moiety to acceptors. Autocatalytic cleavage of the GGT1 precursor polypeptide produces a heavy chain and a light chain that associate with each other to form the functional enzyme. Light chain-only GGTs, such as GGTL2, contain a region corresponding to the GGT1 light chain, but they lack the membrane-anchoring heavy chain region (Heisterkamp et al., 2008 [PubMed 18357469]).[supplied by OMIM].

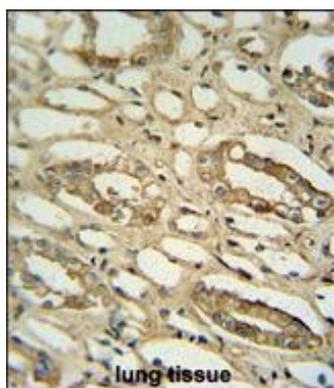
References

- Heisterkamp, N., et al. Hum. Genet. 123(4):321-332(2008)
Dunham, I., et al. Nature 402(6761):489-495(1999)
Kawasaki, K., et al. Genome Res. 7(3):250-261(1997)
Leh, H., et al. FEBS Lett. 394(3):258-262(1996)
Wetmore, L.A., et al. Proc. Natl. Acad. Sci. U.S.A. 90(16):7461-7465(1993)

Images

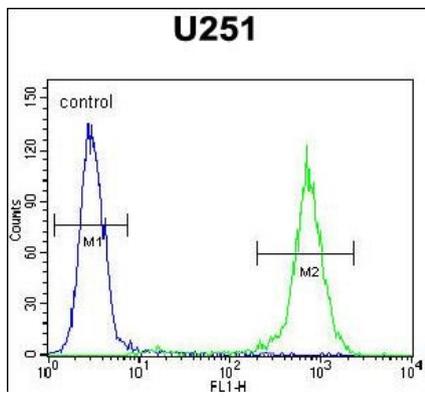


GGTLC2 Antibody (Center) (Cat. #AP10216c) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the GGTLC2 antibody detected the GGTLC2 protein (arrow).



GGTLC2 antibody (Center) (Cat. #AP10216c) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GGTLC2 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

GGTLC2 Antibody (Center) (Cat. #AP10216c) flow cytometric analysis of U251 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.