

Anti-CD224 HC Antibody
Rabbit polyclonal antibody to CD224 HC
Catalog # AP60152**Specification**

Anti-CD224 HC Antibody - Product Information

Application	WB
Primary Accession	P19440
Other Accession	Q60928
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61410

Anti-CD224 HC Antibody - Additional Information**Gene ID** 2678**Other Names**

GGT; Gamma-glutamyltranspeptidase 1; GGT 1; Gamma-glutamyltransferase 1; Glutathione hydrolase 1; Leukotriene-C4 hydrolase; CD224

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD224 HC. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CD224 HC Antibody - Protein Information**Name** GGT1**Synonyms** GGT**Function**

Cleaves the gamma-glutamyl bond of extracellular glutathione (gamma-Glu-Cys-Gly), glutathione conjugates (such as maresin conjugate (13R)-S-glutathionyl-(14S)-hydroxy-(4Z,7Z,9E,11E,16Z,19Z)- docosahexaenoate, MCTR1) and other gamma-glutamyl compounds (such as leukotriene C4, LTC4) (PubMed:17924658, PubMed:<a

[21447318](http://www.uniprot.org/citations/21447318), PubMed: [27791009](http://www.uniprot.org/citations/27791009)). The metabolism of glutathione by GGT1 releases free glutamate and the dipeptide cysteinyl-glycine, which is hydrolyzed to cysteine and glycine by dipeptidases (PubMed: [27791009](http://www.uniprot.org/citations/27791009)). In the presence of high concentrations of dipeptides and some amino acids, can also catalyze a transpeptidation reaction, transferring the gamma-glutamyl moiety to an acceptor amino acid to form a new gamma-glutamyl compound (PubMed: [17924658](http://www.uniprot.org/citations/17924658), PubMed: [21447318](http://www.uniprot.org/citations/21447318), PubMed: [7673200](http://www.uniprot.org/citations/7673200), PubMed: [7759490](http://www.uniprot.org/citations/7759490), PubMed: [8095045](http://www.uniprot.org/citations/8095045), PubMed: [8827453](http://www.uniprot.org/citations/8827453)). Contributes to cysteine homeostasis, glutathione homeostasis and in the conversion of the leukotriene LTC4 to LTD4.

Cellular Location

Cell membrane; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P07314}

Tissue Location

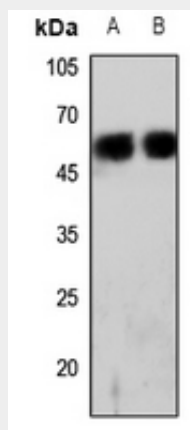
Detected in fetal and adult kidney and liver, adult pancreas, stomach, intestine, placenta and lung. There are several other tissue-specific forms that arise from alternative promoter usage but that produce the same protein

Anti-CD224 HC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD224 HC Antibody - Images



Western blot analysis of CD224 HC expression in HEK293T (A), rat kidney (B) whole cell lysates.

Anti-CD224 HC Antibody - Background

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