

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

### Specification

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#### Anti-CD224 HC Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P19440</a>
Other Accession	<a href="#">Q60928</a>
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

Recognizes endogenous levels of CD224 HC protein.

#### 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:<a href="http://www.uniprot.org/citations/17924658" target="\_blank">17924658</a>, PubMed:<a href="http://www.uniprot.org/citations/21447318" target="\_blank">21447318</a>, PubMed:<a href="http://www.uniprot.org/citations/21447318" target="\_blank">21447318</a>, PubMed:<a href="http://www.uniprot.org/citations/21447318" target="\_blank">21447318</a>, PubMed:<a href="http://www.uniprot.org/citations/21447318" target="\_blank">21447318</a>)

<http://www.uniprot.org/citations/27791009> target="\_blank">27791009</a>). The metabolism of glutathione by GGT1 releases free glutamate and the dipeptide cysteinyl-glycine, which is hydrolyzed to cysteine and glycine by dipeptidases (PubMed:<a href="http://www.uniprot.org/citations/27791009">http://www.uniprot.org/citations/27791009 target="\_blank">27791009</a>). 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:<a href="http://www.uniprot.org/citations/17924658">http://www.uniprot.org/citations/17924658 target="\_blank">17924658</a>, PubMed:<a href="http://www.uniprot.org/citations/21447318">http://www.uniprot.org/citations/21447318 target="\_blank">21447318</a>, PubMed:<a href="http://www.uniprot.org/citations/7673200">http://www.uniprot.org/citations/7673200 target="\_blank">7673200</a>, PubMed:<a href="http://www.uniprot.org/citations/7759490">http://www.uniprot.org/citations/7759490 target="\_blank">7759490</a>, PubMed:<a href="http://www.uniprot.org/citations/8095045">http://www.uniprot.org/citations/8095045 target="\_blank">8095045</a>, PubMed:<a href="http://www.uniprot.org/citations/8827453">http://www.uniprot.org/citations/8827453 target="\_blank">8827453</a>). 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

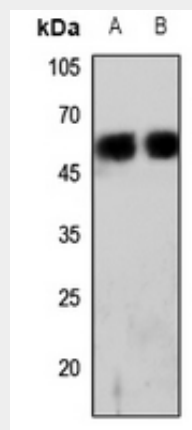
Detected in fetal and adult kidney and liver, adult pancreas, stomach, intestine, placenta and lung. There are several other tissue-specific forms that arise from alternative promoter usage but that produce the same protein

## 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**

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