

# Glutamate carboxypeptidase 2 Polyclonal Conjugated Antibody

Catalog No: #C42546

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Package Size: #C42546-AF350 100ul #C42546-AF405 100ul #C42546-AF488 100ul

#C42546-AF555 100ul #C42546-AF594 100ul #C42546-AF647 100ul

#C42546-AF680 100ul #C42546-AF750 100ul #C42546-Biotin 100ul

## Description

Product Name	Glutamate carboxypeptidase 2 Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Glutamate carboxypeptidase 2 polyclonal antibody.
Immunogen Description	Recombinant human Glutamate carboxypeptidase 2 protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GIG27,FOLH, NAALAD1, PSM, PSMA,FOLH1,Cell growth-inhibiting gene 27 protein,Folate hydrolase 1,Folypoly-gamma-glutamate carboxypeptidase,FGCP,Glutamate carboxypeptidase II,GCPII,Membrane glutamate carboxypeptidase,mGCP,N-acetylated-alpha-linked acidic dipeptidase I,NAALADase I,Prostate-specific membrane antigen,PSM,PSMA,Pteroylpoly-gamma-glutamate carboxypeptidase
Accession No.	Swiss-Prot#:Q04609
Uniprot	Q04609
GeneID	2346;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	82
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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Has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity. Has a preference for tri-alpha-glutamate peptides. In the intestine, required for the uptake of folate. In the brain, modulates excitatory neurotransmission through the hydrolysis of the neuropeptide, N-aceylaspartylglutamate (NAAG), thereby releasing glutamate. Isoform PSM-4 and isoform PSM-5 would appear to be physiologically irrelevant. Involved in prostate tumor progression. Also exhibits a dipeptidyl-peptidase IV type activity. In vitro, cleaves Gly-Pro-AMC.

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Note: This product is for in vitro research use only