PHGDH Conjugated Antibody

Catalog No: #C37821

Package Size: #C37821-AF350 100ul #C37821-AF405 100ul #C37821-AF488 100ul #C37821-AF555 100ul #C37821-AF594 100ul #C37821-AF647 100ul #C37821-AF680 100ul #C37821-AF750 100ul #C37821-Biotin 100ul

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Description

Product Name	PHGDH Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total PHGDH protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human phosphoglycerate dehydrogenase
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	PDG; PGD; PGAD; PGDH; SERA; 3PGDH; 3-PGDH; HEL-S-113
Accession No.	Swiss-Prot#:O43175NCBI Gene ID:26227NCBI mRNA#:NCBI Protein#:NP_005082
Uniprot	O43175
GeneID	26227;
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	57
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin 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

Background

This gene encodes the enzyme which is involved in the early steps of L-serine synthesis in animal cells. L-serine is required for D-serine and other amino acid synthesis. The enzyme requires NAD/NADH as a cofactor and forMouse homotetramers for activity. Mutations in this gene have been found in a family with congenital microcephaly, psychomotor retardation and other symptoMouse. Multiple alternatively spliced transcript variants have been found, however the full-length nature of most are not known.

Note: This product is for in vitro research use only