

AB-PN747

DPYD-pS766+pT768 Antibody

Phosphosite-specific rabbit polyclonal antibody for DPYD



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Target Protein

Protein Name Long:	Dihydropyrimidine dehydrogenase [NADP()]
Protein Alias:	DHP; DHPDHase; Dihydropyrimidine dehydrogenase; Dihydrothymine dehydrogenase; Dihydrouracil dehydrogenase; DPD; EC 1.3.1.2; MGC70799; OTTHUMP00000058954
UniProt ID:	Q12882
Protein Molecular Mass:	111,401 Da (1,025 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human DPYD
Antibody Immunogen Sequence:	CGGV(pS)G(pT)AIR
Antibody Immunogen Description:	Corresponds to amino acid residues G763 to R771. The effects of S766 and T768 phosphorylation are unclear. These phosphorylation sites have only been detected in a single mass spectrometry study. However, this human phosphosite is highly conserved in vertebrates and also found in sea urchin.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Rhesus macaque Rat Mouse Chicken Zebra fish Fruit fly Honey bee Nematode worm Sea urchin

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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