ARG66544
anti-MCM4 phospho (Ser54) antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MCM4 phospho (Ser54)
Tested Reactivity	Hu, Ms, Mk
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MCM4
Species	Human
Immunogen	Phosphospecific peptide around Ser54 of Human MCM4.
Conjugation	Un-conjugated
Alternate Names	DHP; DPD; DHPDHASE; Dihydropyrimidine dehydrogenase [NADP(+)]; DHPDHase; DPD; EC 1.3.1.2; Dihydrothymine dehydrogenase; Dihydrouracil dehydrogenase

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:300
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: High-pressure and temperature Tris-EDTA buffer (pH 8.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

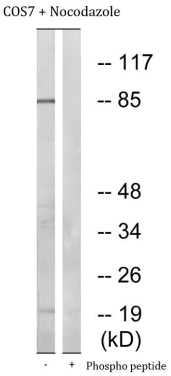
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

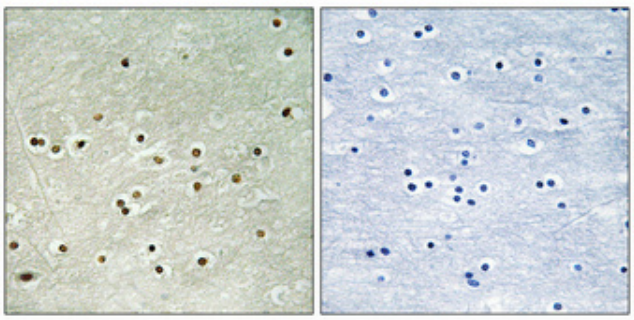
Gene Symbol	DPYD
Gene Full Name	dihydropyrimidine dehydrogenase
Background	The protein encoded by this gene is a pyrimidine catabolic enzyme and the initial and rate-limiting factor in the pathway of uracil and thymidine catabolism. Mutations in this gene result in dihydropyrimidine dehydrogenase deficiency, an error in pyrimidine metabolism associated with thymine-uraciluria and an increased risk of toxicity in cancer patients receiving 5-fluorouracil chemotherapy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
Function	Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved the degradation of the chemotherapeutic drug 5-fluorouracil. [UniProt]
Calculated Mw	111 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG66544 anti-MCM4 phospho (Ser54) antibody WB image

Western blot: COS7 cells treated with nocodazole (1 µg/ml, 16 hours) and stained with ARG66544 anti-MCM4 phospho (Ser54) antibody. The lane on the right was blocked with the phospho peptide.



ARG66544 anti-MCM4 phospho (Ser54) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain tissue stained with ARG66544 anti-MCM4 phospho (Ser54) antibody at 1:100, 4°C and overnight. Antigen Retrieval: High-pressure and temperature Tris-EDTA buffer (pH 8.0). The picture on the right was blocked with the synthetic peptide.