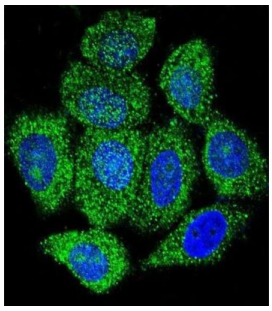
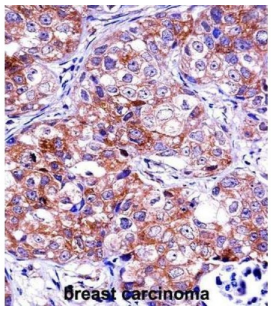
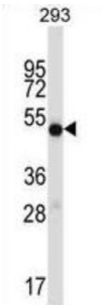
Inosine-5'-Monophosphate Dehydrogenase 1 (IMPDH1) Antibody

Catalogue No.:abx027459







The protein encoded by this gene acts as a homotetramer to regulate cell growth. The encoded protein is an enzyme that catalyzes the synthesis of xanthine monophosphate (XMP) from inosine-5'-monophosphate (IMP). This is the rate-limiting step in the de novo synthesis of guanine nucleotides. Defects in this gene are a cause of retinitis pigmentosa type 10 (RP10). Several transcript variants encoding different isoforms have been found for this gene.

Target:	Inosine-5'-Monophosphate Dehydrogenase 1 (IMPDH1)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/10 - 1/50, IF/ICC: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

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Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 487-514 amino acids from the C-terminal region of human IMPDH1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P20839 (UniProt, ExPASy)
Gene Symbol:	IMPDH1
KEGG:	hsa:3614
String:	9606.ENSP00000345096
Molecular Weight:	Calculated MW: 55.4 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse, Rat and Cow IMPDH1.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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