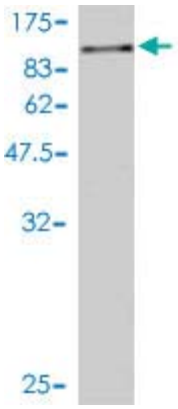
ADD1 monoclonal antibody (M01), clone 2C9

PO-000118-M01

Specification

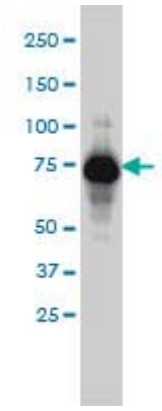
Product Description:	Mouse monoclonal antibody raised against a full length recombinant ADD1.
Immunogen:	ADD1 (AAH42998, 1 a.a. ~ 663 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Immunogen Sequence (without GST):	MNGDSRAAVVTSPPPTTAPHKERYFDRVDENNPEYLRERNMAPDLRQDFN MMEQKKRVSMILQSPAFCEELESMIQEQFKKGKNPTGLLALQQIADFMTT NVPNVYPAAPQGGMAALNMSLGMVTPVNDLRGSDSIAYDKGEKLLRCKLA AFYRLADLFGWSQLIYNHITTRVNSEQEHFLIVPFGLLYSEVTASSLVKI NLQGDIVDRGSTNLGVNQAGFTLHSAIYAARPDVKCVVHIHTPAGAAVSA MKCGL
Cross Reactivity:	Human
Isotype:	IgG1 kappa
Storage Buffer:	In 1x PBS, pH 7.2
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (98.93 KDa) .

Applications

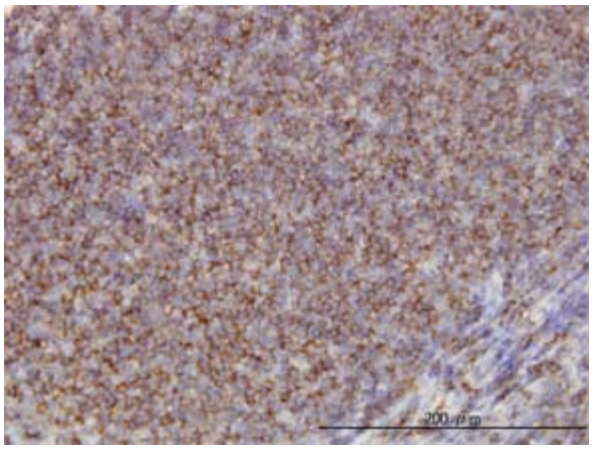
Western Blot (Cell lysate)



ADD1 monoclonal antibody (M01), clone 2C9 Western Blot analysis of ADD1 expression in IMR-32 (Cat # L008V1).

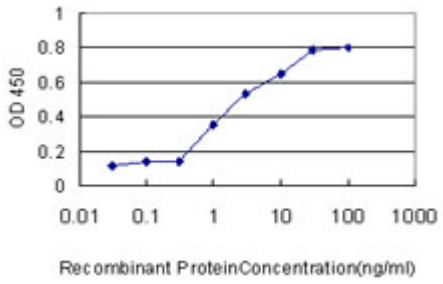
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



Immunoperoxidase of monoclonal antibody to ADD1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3ug/ml]

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged ADD1 is approximately 0.3ng/ml as a capture antibody.

ELISA

Gene Information

Entrez GeneID: 118

GeneBank Accession#: BC042998

Protein Accession#: AAH42998

Gene Name: ADD1

Gene Alias: ADDA, MGC3339, MGC44427

Gene Description: adducin 1 (alpha)

Omim ID: 102680, 145500

Gene Ontology: Hyperlink

Gene Summary: Adducins are a family of cytoskeleton proteins encoded by three genes (alpha, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. Alpha- and beta-adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Alpha- and gamma-adducins are ubiquitously expressed. In contrast, beta-adducin is expressed at high levels in brain and hematopoietic tissues. Adducin binds with high affinity to Ca(2+)/calmodulin and is a substrate for protein kinases A and C. Alternative splicing results in multiple variants encoding distinct isoforms; however, not all variants have been fully described.

Other Designations: OTTHUMP00000151164, OTTHUMP00000151165, erythrocyte adducin alpha subunit