10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DEF6 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant DEF6.
Catalog # AT1749a

Product Information

Application	WB, IHC, IP, E
Primary Accession	Q9H4E7
Other Accession	BC017504
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1F2
Calculated MW	73910

Additional Information

Gene ID	50619
Other Names	Differentially expressed in FDCP 6 homolog, DEF-6, IRF4-binding protein, DEF6, IBP
Target/Specificity	DEF6 (AAH17504, 1 a.a. ~ 336 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	DEF6 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

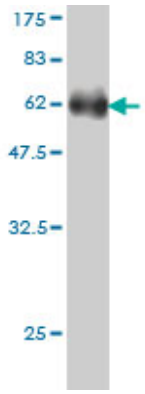
Background

DEF6, or IBP, is a guanine nucleotide exchange factor (GEF) for RAC (MIM 602048) and CDC42 (MIM 116952) that is highly expressed in B and T cells (Gupta et al., 2003 [PubMed 12923183]).[supplied by OMIM]

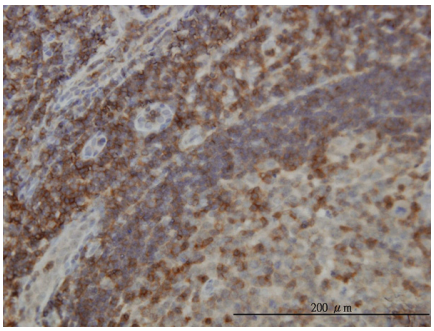
References

1.Def-6, a Novel Regulator of Small GTPases in Podocytes, Acts Downstream of Atypical Protein Kinase C (aPKC) ?/?.Worthmann K, Leitges M, Teng B, Sestu M, Tossidou I, Samson T, Haller H, Huber TB, Schiffer MAm J Pathol. 2013 Oct 3. pii: S0002-9440(13)00614-7. doi: 10.1016/j.ajpath.2013.08.026.

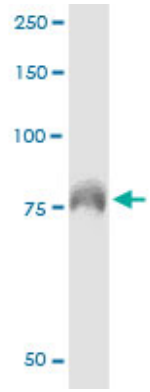
Images



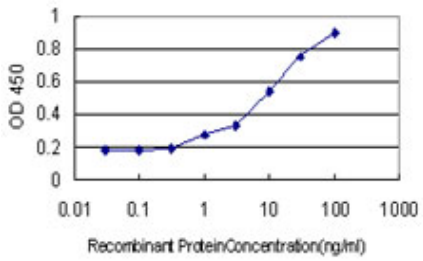
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (62.7 KDa) .



Immunoperoxidase of monoclonal antibody to DEF6 on formalin-fixed paraffin-embedded human lymph node [antibody concentration 3 ug/ml]



Immunoprecipitation of DEF6 transfected lysate using anti-DEF6 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with DEF6 monoclonal antibody.



Detection limit for recombinant GST tagged DEF6 is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.