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ENG Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ENG.
Catalog # AT1907a

Product Information

Application	WB, IP, E
Primary Accession	P17813
Other Accession	BC014271
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4C11
Calculated MW	70578

Additional Information

Gene ID	2022
Other Names	Endoglin, CD105, ENG, END
Target/Specificity	ENG (AAH14271, 27 a.a. ~ 658 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	ENG Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

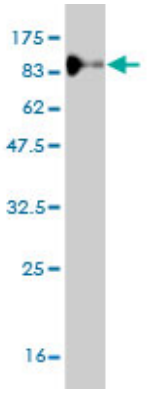
This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds TGFB1 and TGFB3 with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

References

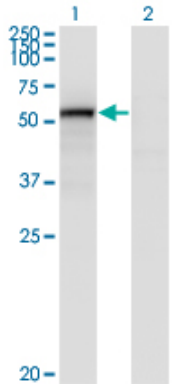
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes

REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Soluble endoglin in preeclamptic patients with or without HELLP syndrome. Hertig A, et al. Am J Obstet Gynecol, 2010 Jun. PMID 20430360.Update on molecular diagnosis of hereditary hemorrhagic telangiectasia. Richards-Yutz J, et al. Hum Genet, 2010 Jul. PMID 20414677.Genetic risk factors for hepatopulmonary syndrome in patients with advanced liver disease. Roberts KE, et al. Gastroenterology, 2010 Jul. PMID 20346360.Alterations of serum and placental endoglin in pre-eclampsia. Fang M, et al. J Int Med Res, 2010 Jan-Feb. PMID 20233512.

Images

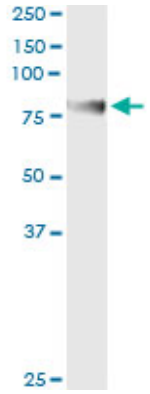


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (95.26 KDa) .

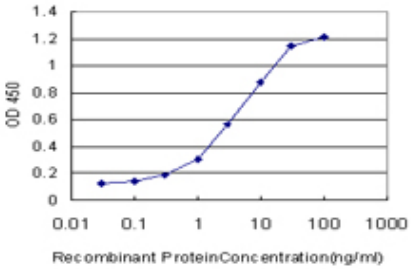


Western Blot analysis of ENG expression in transfected 293T cell line by ENG monoclonal antibody (M01), clone 4C11.

Lane 1: ENG transfected lysate(70.6 KDa).
Lane 2: Non-transfected lysate.



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



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