



Anti-ENG (full length) polyclonal antibody (DPAB-DC854)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 to the beta1 and beta3 peptides 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. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Immunogen	ENG (AAH14271, 27 a.a. ~ 658 a.a) full-length recombinant protein with GST tag. The sequence is TVHCDLQPVGPERDEVITYTTSQVSKGCVAQAPNAILEVHVLFLFPTGPSQLELTQASK QNGTWPREVLLVLSVNSSVFLHLQALGIPLHLAYNSSLVTFQEPPGVNTELPSPFKTQI LEWAAERGPITSAAELNDPQSILLRLGQAQGSLSFCMLEASQDMGRTLEWRPRTPALVRG CHLEGVAGHKEAHILRVLPGHSAGPRTVTVKVELSCAPGDLDAVLILQGPPYVSWLIDAN HNMQIWTTGEYSFKIFPEKNIRGFKLPDTPQGLLGEARMLNASIVASFVELPLASIVSLH ASSCGRLQTSPAPIQTTPPKDTCPELLMSLIQTKCADDAMTLVLKKELVAHLKCTITG LTFWDPSCEAEDRGDKFVLR SAYSSCGMQVSASMISNEAVVNIL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ENG endoglin [Homo sapiens (human)]
Official Symbol	ENG
Synonyms	ENG; endoglin; END; HHT1; ORW1; CD105 antigen;
Entrez Gene ID	2022
Protein Refseq	NP_000109
UniProt ID	P17813
Chromosome Location	9q34.11
Pathway	HIF-1-alpha transcription factor network; TGF-beta Receptor Signaling Pathway;
Function	activin binding; galactose binding; glycosaminoglycan binding; protein binding