Leader in Biomolecular Solutions for Life Science

www.abclonal.com

ITGA2 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02393

Basic Information

Catalog No.
RM02393

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
ITGA2

Species
Human

Gene ID
3673

Swiss Prot
P17301

Synonyms
BR; CD49B; GPIa; HPA-5; VLA-2; VLAA2

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

This gene encodes the alpha subunit of a transmembrane receptor for collagens and related proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Product Information

Description
ITGA2 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:exon1 was deleted
Allele-2:exon1 was deleted
Allele-3:exon1 was deleted
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Sequencing data

WT GCAAACCCAGCGCA**********GCGGGGATTTCGCT
Mut GCAAACCCAGCGCG***Deletion***GCGGGGATTTCGCT
Allele-1: exon1 was deleted

WT CTGCAAACCCAGCG**********AGCGGGGATTTCGC
Mut CTGCAAACCCAGCG***Deletion***AGCGGGGATTTCGC
Allele-2: exon1 was deleted

WT TCTGCAAACCCAGC**********TCGCTCTGCATCGG
Mut TCTGCAAACCCAGC***Deletion***TCGCTCTGCATCGG
Allele-3: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and ITGA2 knockout (KO) 293T cells, using sanger sequencing.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.