



## Anti-CAV3 (aa 1-83) polyclonal antibody (DPAB-DC3602)

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

### PRODUCT INFORMATION

**Antigen Description** This gene encodes a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites.

**Immunogen** CAV3 (NP\_001225, 1 a.a. ~ 83 a.a) partial recombinant protein with GST tag. The sequence is  
MMAEEHTDLEAQIVKDIHCKEIDLVNRDPKNINEDIVKVDVFEDVIAEPVGTYSFDGVWVKV  
SYTTFTVSKYWCYRLLSTLLGVP

**Source/Host** Mouse

**Species Reactivity** Human

**Conjugate** Unconjugated

**Applications** WB (Cell lysate), 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

<b>Gene Name</b>	<a href="#">CAV3 caveolin 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CAV3
<b>Synonyms</b>	CAV3; caveolin 3; LQT9; VIP21; LGMD1C; VIP-21; caveolin-3; M-caveolin;
<b>Entrez Gene ID</b>	<a href="#">859</a>
<b>Protein Refseq</b>	<a href="#">NP_001225</a>
<b>UniProt ID</b>	<a href="#">A0A024R2D8</a>
<b>Chromosome Location</b>	3p25
<b>Pathway</b>	Bacterial invasion of epithelial cells; Endocytosis; Focal Adhesion; Focal adhesion
<b>Function</b>	alpha-tubulin binding; calcium channel regulator activity; connexin binding; ion channel binding