



## Anti-ITGA7 (aa 478-577) polyclonal antibody (DPAB-DC1738)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. They mediate a wide spectrum of cell-cell and cell-matrix interactions, and thus play a role in cell migration, morphologic development, differentiation, and metastasis. This protein functions as a receptor for the basement membrane protein laminin-1. It is mainly expressed in skeletal and cardiac muscles and may be involved in differentiation and migration processes during myogenesis. Defects in this gene are associated with congenital myopathy. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
<b>Immunogen</b>	ITGA7 (NP_002197, 478 a.a. ~ 577 a.a) partial recombinant protein with GST tag. The sequence is  SHEVSIAPRSIDLEQPNCAGGHSVCVDLRVCFSYIAVPSSYSPTVALDYVLDADTDRRLRGQVPRVTFLSRNLEEPKHQASGTVWLKHQHDRVCGDAMFQ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">ITGA7 integrin, alpha 7 [ Homo sapiens (human) ]</a>
Official Symbol	ITGA7
Synonyms	ITGA7; integrin, alpha 7; integrin alpha-7; integrin alpha 7 chain;
Entrez Gene ID	<a href="#">3679</a>
Protein Refseq	<a href="#">NP_001138468</a>
UniProt ID	<a href="#">Q13683</a>
Chromosome Location	12q13
Pathway	Arrhythmogenic right ventricular cardiomyopathy; Dilated cardiomyopathy; ECM-receptor interaction; Focal Adhesion
Function	integrin binding; laminin binding; metal ion binding; protein heterodimerization activity