



# Anti-ITGB4 (aa 28-137) polyclonal antibody (DPAB-DC1746)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Integrins are heterodimers comprised of alpha and beta subunits, that are noncovalently associated transmembrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta 4 subunit, a receptor for the laminins. This subunit tends to associate with alpha 6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Mutations in this gene are associated with epidermolysis bullosa with pyloric atresia. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
<b>Immunogen</b>	ITGB4 (NP_000204, 28 a.a. ~ 137 a.a) partial recombinant protein with GST tag. The sequence is NRCKKAPVKSCTECVRVKDCAYCTDEMFRDRRCNTQAELLAAGCQRESIVVMESFQIT EETQIDTTLLRSQMSPQGLRVRLRPGEERHFELEVFEPLSPVDLYILMD
<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="#">ITGB4 integrin, beta 4 [ Homo sapiens (human) ]</a>
Official Symbol	ITGB4
Synonyms	ITGB4; integrin, beta 4; CD104; integrin beta-4; GP150; CD104 antigen; integrin beta-4 subunit;
Entrez Gene ID	<a href="#">3691</a>
Protein Refseq	<a href="#">NP_000204</a>
UniProt ID	<a href="#">A0A024R8T0</a>
Chromosome Location	17q25
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Cell junction organization; Collagen formation
Function	protein binding; receptor activity;