ARG42144
anti-ITGB1BP2 / Melusin antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ITGB1BP2 / Melusin
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Pig, Rb
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ITGB1BP2 / Melusin
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human ITGB1BP2 / Melusin. (within the following region: MSLLC RNKGC GQHFD PNTNL PDSCC HHPGV PIFHD ALKGW SCCRK RTVDF)
Conjugation	Un-conjugated
Alternate Names	CHORDC3; Integrin beta-1-binding protein 2; MSTP015; ITGB1BP; Melusin; MELUSIN

Application Instructions

Predict Reactivity Note	Predicted Homology Based on Immunogen Sequence: Cow: 93%; Dog: 93%; Guinea pig: 86%; Horse: 93%; Mouse: 100%; Pig: 93%; Rabbit: 100%; Rat: 100%

Application table

Application	Dilution
IHC-P	4 - 8 µg/ml
WB	2 - 5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human heart
Observed Size	~ 40 kDa

Properties

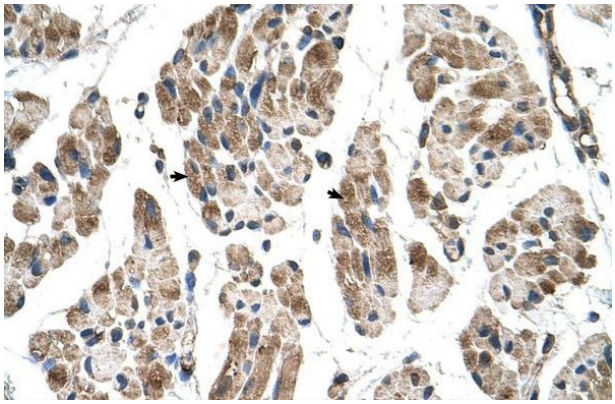
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose

Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

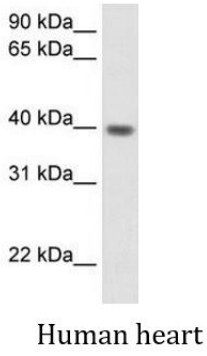
Gene Symbol	ITGB1BP2
Gene Full Name	integrin beta 1 binding protein (melusin) 2
Background	This gene encodes a protein with two cysteine and histidine-rich (CHORD) domains, PXXP motifs, YXXI/P motifs, putative SH2 and SH3 domain binding motifs, and an acidic region at the C-terminus that can bind calcium. Two hybrid analysis showed that this protein interacts with the cytoplasmic domain of the beta 1 integrin subunit and is thought to act as a chaperone protein. Studies in the mouse ortholog of this gene indicate that absence of this gene in mouse results in failed cardiac hypertrophy in response to mechanical stress. Alternative splicing results in multiple transcript variants encoding different isoforms, including an isoform that lacks several domains, including one of the CHORD domains. [provided by RefSeq, May 2017]
Function	May play a role during maturation and/or organization of muscles cells. [UniProt]
Calculated Mw	38 kDa

Images



ARG42144 anti-ITGB1BP2 / Melusin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skeletal muscle tissue stained with ARG42144 anti-ITGB1BP2 / Melusin antibody at 4 - 8 µg/ml dilution.



ARG42144 anti-ITGB1BP2 / Melusin antibody WB image

Western blot: Human heart lysate stained with ARG42144 anti-ITGB1BP2 / Melusin antibody at 2.5 µg/ml dilution.