Datasheet for ABIN191997

anti-beta 2 Defensin antibody (AA 4-41)

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Overview

Quantity:	0.1 mg
Target:	beta 2 Defensin (BD-2)
Binding Specificity:	AA 4-41
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta 2 Defensin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide corresponding to amino acids 4-41 of Human beta-Defensin 2. AA Sequence: DPVTCLKSGAICHPVFCPRRYKQIGTCGLPGTKCCKKP
Clone:	L12-4C-C2
Isotype:	IgG1
Specificity:	This antibody recognizes Human beta-Defensin 2 (aa 4-41).
Characteristics:	Synonyms: Beta-defensin 4A, Beta-defensin 2, BD-2, hBD-2, DEFB102, DEFB2, Skin-antimicrobialpeptide 1, DEFB4B, DEFB4A
Purification:	Protein G Chromatography

Target Details

Target:	beta 2 Defensin (BD-2)
Alternative Name:	Defensin beta 2 (BD-2 Products)
Background:	This antibiotic peptide is locally regulated by inflammation. Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence.Synonyms: BD-2, Beta-defensin 2, Beta-defensin 4A, DEFB102, DEFB2, DEFB4A, DEFB4B, Skin-antimicrobial peptide 1, hBD-2
Gene ID:	100289462
UniProt:	O15263

Application Details

Application Notes:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Reconstitution:	Restore in 0.1 mL aqua bidest to 1 mg/mL.
Buffer:	50 mM TRIS pH 7.4
Storage:	4 °C/-20 °C
Storage Comment:	Store lyophilized at 2-8 °C and reconstituted at -20 °C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.
Expiry Date:	12 months

Publications

Product cited in:	Thysiadis, Mpousis, Avramidis, Katsamakas, Balomenos, Remelli, Efthimiopoulos, Sarli: " Discovery of novel phenoxazinone derivatives as DKK1/LRP6 interaction inhibitors: Synthesis, biological evaluation and structure-activity relationships." in: **Bioorganic & medicinal chemistry**, Vol. 24, Issue 5, pp. 1014-22, (2016) (PubMed). Mpousis, Thysiadis, Avramidis, Katsamakas, Efthimiopoulos, Sarli: "Synthesis and evaluation of gallocyanine dyes as potential agents for the treatment of Alzheimer's disease and related

neurodegenerative tauopathies." in: **European journal of medicinal chemistry**, Vol. 108, pp. 28-38, (2016) (PubMed).

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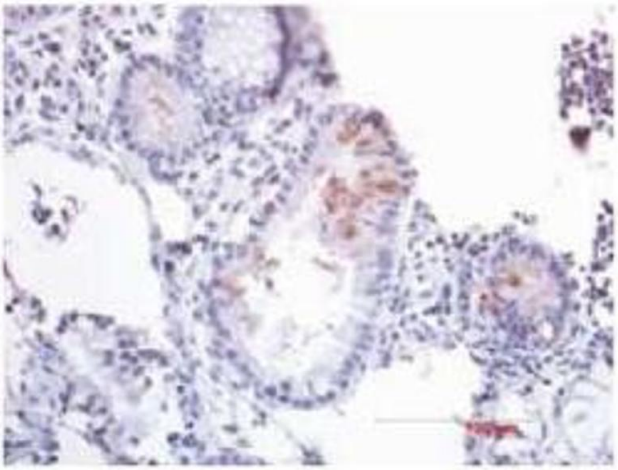
Jiang, Wang, Wang, Hawke, Zheng, Li, Zhou, Majumder, Bi, Liu, Huang, Lu: "PKM2 phosphorylates MLC2 and regulates cytokinesis of tumour cells." in: **Nature communications**, Vol. 5, pp. 5566, (2015) (PubMed).

Bockmeyer, Kern, Forstmeier, Lovric, Modde, Agustian, Steffens, Birschmann, Traeder, Dämmrich, Schwarz, Kreipe, Bröcker, Becker: "Arteriolar vascular smooth muscle cell differentiation in benign nephrosclerosis." in: **Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association**, Vol. 27, Issue 9, pp. 3493-501, (2013) (PubMed).

Validation report #029576 for Immunofluorescence (IF)



Immunohistochemistry

Image 1.