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Connexin 30.3 Rabbit pAb

Catalog # AP97554

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NTQ9
Other Accession	Q9NTQ9
Predicted	Rat, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30419
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Connexin 30.3
Epitope Specificity	121-220/266
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a transmembrane connexin protein that is a component of gap junctions. Mutations in this gene have been associated with erythrokeratodermia variabilis, progressive symmetric erythrokeratoderma and hearing impairment. [provided by RefSeq, Dec 2009]

Additional Information

Gene ID	127534
Other Names	CX30.3; EKV; EKVP2; Cnx30.3; Cxnb; Gjb-4; CXB4_HUMAN; GJB4; Connexin-30.3 (Cx30.3); CXB4_MOUSE; Cxn-30.3; gap junction protein beta 4; gap junction protein, beta 4 (connexin 30.3); gap junction protein, beta 4; gap junction protein, beta 4, 30.3kDa; connexin 30.3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GJB4
Function	Structural component of gap junctions (By similarity). Gap junctions are

	dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane (By similarity). Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q02738}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q02738}. Cell junction, gap junction {ECO:0000250|UniProtKB:Q02738}. Note=Colocalizes with GJB2 at gap junction plaques in the cochlea {ECO:0000250|UniProtKB:Q02738}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.