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Anti-Connexin 31.3 Antibody

Catalog # AP53964

Product Information

Application	WB, IHC
Primary Accession	Q8NFK1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31299

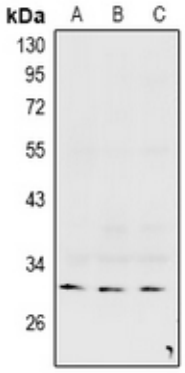
Additional Information

Gene ID	349149
Other Names	GJE1; Gap junction gamma-3 protein; Connexin-30.2; Cx30.2; Connexin-31.3; Cx31.3; Gap junction epsilon-1 protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Connexin 31.3. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

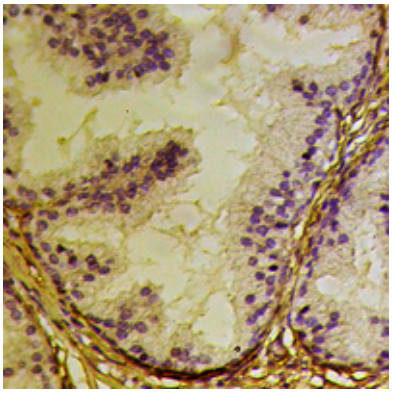
Protein Information

Name	GJC3
Synonyms	GJE1
Function	One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, gap junction
Tissue Location	CNS specific. Expression is restricted to brain, spinal cord, and sciatic nerve. According to PubMed:12881038, expression is abundant in skeletal muscle, liver, and heart, and to a minor degree in pancreas and kidney.

Images



Western blot analysis of Connexin 31.3 expression in mouse brain (A), rat brain (B), HepG2 (C) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 31 kD)



Immunohistochemical analysis of Connexin 31.3 Antibody staining in human prostate formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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