abcam

Product datasheet

Anti-Cx30 antibody [16H9L8] ab200866

Recombinant

4 Images

Overview

Product name	Anti-Cx30 antibody [16H9L8]
Description	Rabbit monoclonal [16H9L8] to Cx30
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB, ICC/IF
Species reactivity	**Reacts with:** Mouse, Human
	Predicted to work with: Cow
Immunogen	Synthetic peptide corresponding to Mouse Cx30 aa 200 to the C-terminus. Database link: P70689
	Run BLAST with Run BLAST with
Positive control	WB: Adult mouse thalamus lysates. IF: Log phase Caco-2 cells. IHC: Adult mouse thalamus tissue .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	16H9L8
Isotype	IgG

Applications

The Abpromise guarantee   Our Abpromise guarantee covers the use of ab200866 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 μg/ml.
WB		Use a concentration of 1 - 3 μg/ml. Predicted molecular weight: 30 kDa.
ICC/IF		Use a concentration of 0.5 - 1 μg/ml.

Target

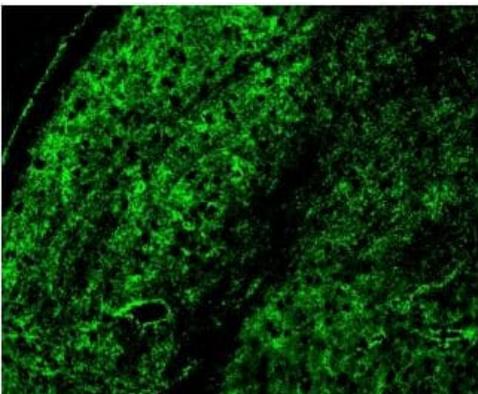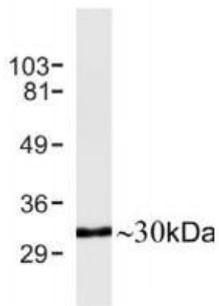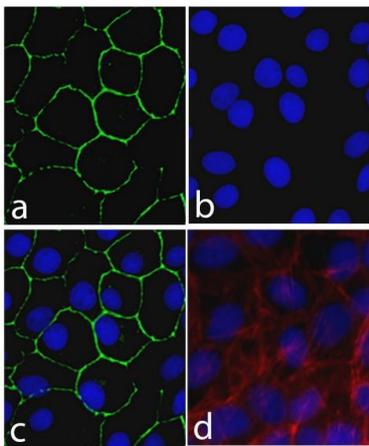|	
Function	One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.
Involvement in disease	Defects in GJB6 are the cause of ectodermal dysplasia type 2 (ED2) [MIM:129500]; also known as Clouston syndrome. Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. ED2 is an autosomal dominant condition characterized by atrichosis, nail hypoplasia and deformities, hyperpigmentation of the skin, normal teeth, normal sweat and sebaceous gland function. Palmoplantar hyperkeratosis is a frequent features. Hearing impairment has been detected in few cases of ED2. Defects in GJB6 are the cause of deafness autosomal recessive type 1B (DFNB1B) [MIM:612645]. DFNB1B is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. Defects in GJB6 are the cause of deafness autosomal dominant type 3B (DFNA3B) [MIM:612643].
Sequence similarities	Belongs to the connexin family. Beta-type (group I) subfamily.
Cellular localization	Cell membrane. Cell junction > gap junction.

Images

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cx30 antibody [16H9L8] (ab200866)

Immunohistochemical analysis of adult mouse thalamus tissue labeling Cx30 with ab200866 at 0.5 μg/ml.

Western blot - Anti-Cx30 antibody [16H9L8] (ab200866)

Anti-Cx30 antibody [16H9L8] (ab200866) at 1 µg/ml + Adult mouse thalamus lysate

Predicted band size: 30 kDa

Immunocytochemistry - Anti-Cx30 antibody [16H9L8] (ab200866)

Immunofluorescence analysis of 4% paraformaldehyde-fixed log phase Caco-2 cells labeling Cx30 with ab200866 at 1/500 dilution. Alexa Fluor® 488 Goat Anti-Rabbit IgG Secondary Antibody at a dilution of 1/400 was used as the secondary antibody (panel a; green). Slide is counter stained with Dapi (panel b: blue). Panel c is a merged image showing cell junction localization and panel d is a no primary antibody control. The images were captured using a Nikon microscope at 20X magnification.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Cx30 antibody [16H9L8] (ab200866)

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