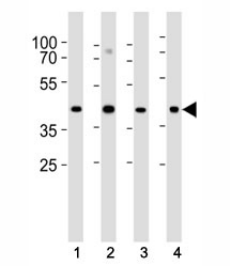
Connexin 43 Antibody (F44391)

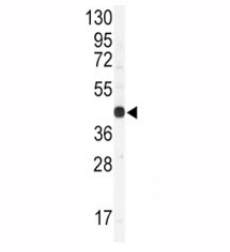
Catalog No.	Formulation	Size
F44391-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44391-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

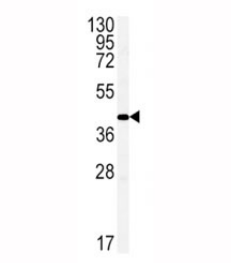
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Xenopus
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P17302
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This Connexin 43 antibody is available for research use only.



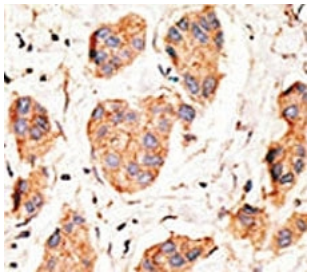
Western blot analysis of lysate from (1) HeLa, (2) U-87 MG, (3) rat C6 cell line and (4) mouse heart tissue lysate using Connexin 43 antibody at 1:1000. Predicted molecular weight: 43 kDa



Western blot analysis of Connexin 43 antibody and CEM lysate



Western blot analysis of Connexin 43 antibody and mouse brain tissue lysate. Predicted molecular weight: 43 kDa



IHC analysis of FFPE human breast carcinoma tissue stained with the Connexin 43 antibody

Description

Gap junction protein, alpha 1 is a member of the connexin gene family and a component of gap junctions. Gap junctions are composed of arrays of intercellular channels and provide a route for the diffusion of materials of low molecular weight from cell to cell. Connexin 43 is the major protein of gap junctions in the heart, and gap junctions are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. Connexin 43 is targeted by several protein kinases that regulate myocardial cell-cell coupling. A related intron-less connexin 43 pseudogene, GJA1P, has been mapped to chromosome 5.

Application Notes

Titration of the Connexin 43 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 107-138 from the human protein was used as the immunogen for this Connexin 43 antibody.

Storage

Aliquot the Connexin 43 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com