

Connexin 45 (N361) polyclonal antibody

Catalog: BS3470

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Connexin proteins share a common topology of four transmembrane α -helical domains, two extracellular loops, a cytoplasmic loop and cytoplasmic N- and C-termini. Many of the key functional differences arise from specific amino acid substitutions in the most highly conserved domains, the transmembrane and extracellular regions. Each of the approximately 20 connexin isoforms produces channels with distinct permeabilities and electrical and chemical sensitivities; therefore, one connexin usually cannot fully substitute for another. Consequently, a wide variety of malignant phenotypes associate with decreased connexin expression and gap junction communication, dependent on the particular connexin that is effected. For instance, downregulation of connexin 45 in the left ventricle associates with end-stage heart failure due both to ischaemic cardiomyopathy and idiopathic dilated cardiomyopathy.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 45 kDa

Swiss-Prot:

P36383

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

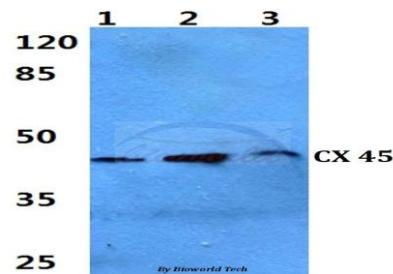
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Connexin 45 (N361) polyclonal antibody detects endogenous levels of Connexin 45 protein.

DATA:



Western blot (WB) analysis of Connexin 45 (N361) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:sp2/0 cell lysate

Lane3:H9C2 cell lysate

Immunohistochemistry (IHC) analyzes of Connexin 45 (N361) pAb in paraffin-embedded human brain tissue.

Note:

For research use only, not for use in diagnostic procedure.

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