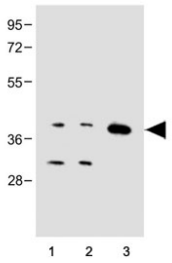
Cx40 Antibody / Connexin 40 / GJA5 (F55078)

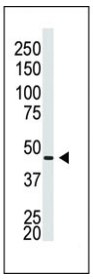
Catalog No.	Formulation	Size
F55078-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55078-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

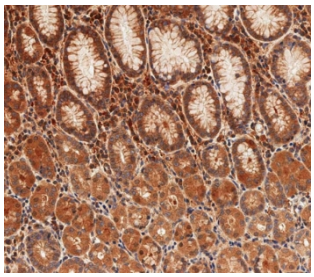
Availability	1-2 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
UniProt	P36382
Applications	Western Blot : 1:2000-1:4000 Immunohistochemistry (FFPE) : 1:100-1:500
Limitations	This Cx40 antibody is available for research use only.



Western blot testing of 1) human Jurkat, 2) human HepG2 and 3) mouse brain tissue lysate with Cx40 antibody. Predicted molecular weight ~40 kDa.



Western blot testing of human placental tissue lysate with Cx40 antibody. Predicted molecular weight ~40 kDa.



IHC staining of FFPE human stomach tissue with Cx40 antibody. HIER: steam section in pH9 EDTA buffer for 20 min and allow to cool prior to staining.

Description

Connexin 40 protein, also known as Cx40, GJA5 and Gap junction alpha-5 protein, plays a role in cell communication and proper function within the body. In the brain, Connexin 40 helps facilitate communication between neurons, allowing for proper cognitive function and coordination. Research suggests that disruptions in Connexin 40 expression may contribute to neurological disorders such as epilepsy and Alzheimer's disease. In the immune system Gap junctions formed by Connexin 40 facilitate the transfer of signaling molecules between immune cells, enabling a coordinated response to pathogens and foreign invaders.

Application Notes

Titration of the Cx40 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 102-134 from the human protein was used as the immunogen for this Cx40 antibody.

Storage

Aliquot the Cx40 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.