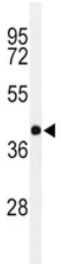
PAX-6 Antibody (F49968)

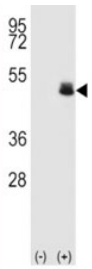
Catalog No.	Formulation	Size
F49968-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49968-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

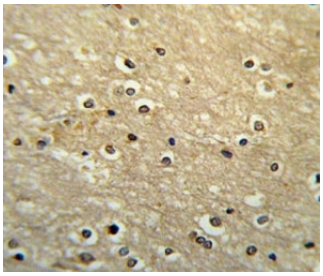
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P26367
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50
Limitations	This PAX-6 antibody is available for research use only.



Western blot analysis of PAX-6 in Y79 lysate. Predicted molecular weight ~48kDa.



Western blot analysis of PAX-6 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the human gene.



PAX-6 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue

Confocal immunofluorescent analysis of PAX-6 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (blue).

Description

Transcription factor with important functions in the development of the eye, nose, central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha cells (By similarity). Competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains (By similarity). [UniProt]

Application Notes

Titration of the PAX-6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 352-380 from the human protein was used as the immunogen for this PAX-6 antibody.

Storage

Aliquot the PAX-6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.