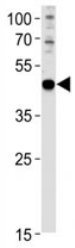
PAX6 Antibody (F49967)

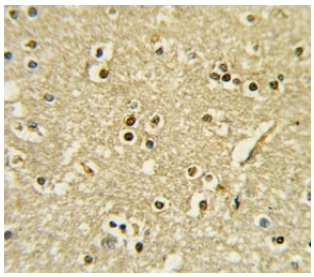
Catalog No.	Formulation	Size
F49967-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49967-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

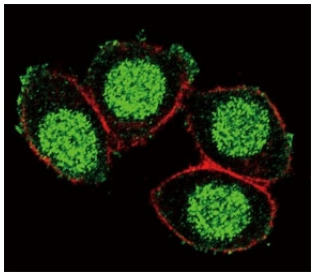
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Xenopus
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P26367
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This PAX6 antibody is available for research use only.



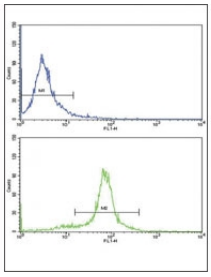
PAX6 antibody western blot analysis in U251 lysate. Predicted molecular weight ~48kDa.



IHC analysis of FFPE human brain tissue stained with PAX6 antibody



Confocal immunofluorescent analysis of PAX6 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).



Flow cytometric analysis of HeLa cells using PAX6 antibody (bottom histogram) compared to a negative control (top histogram).

Description

PAX6 is paired box gene 6, one of many human homologs of the Drosophila melanogaster gene prd. In addition to the hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA, and function as regulators of gene transcription.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PAX6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 183-210 from the human protein was used as the immunogen for this PAX6 antibody.

Storage

Store at 4oC for up to one month. For long term, aliquot the PAX6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.