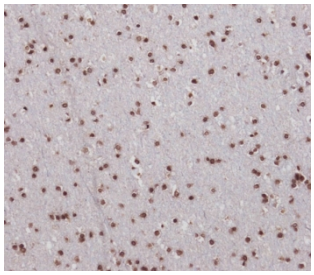
Single-minded homolog 1 Antibody / SIM1 (F54660)

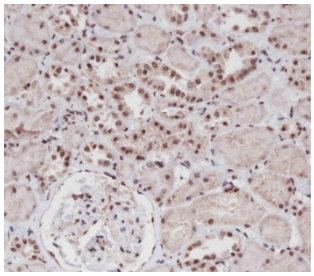
Catalog No.	Formulation	Size
F54660-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54660-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

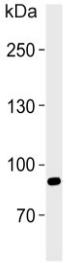
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P81133
Applications	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This Single-minded homolog 1 antibody is available for research use only.



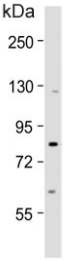
IHC testing of FFPE human brain tissue with Single-minded homolog 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human kidney tissue with Single-minded homolog 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human 293T cell lysate with Single-minded homolog 1 antibody. Predicted molecular weight ~86 kDa.



Western blot testing of human A549 cell lysate with Single-minded homolog 1 antibody. Predicted molecular weight ~86 kDa.

Description

SIM1 and SIM2 genes are Drosophila single-minded (sim) gene homologs. SIM1 transcript was detected only in fetal kidney out of various adult and fetal tissues tested. Since the sim gene plays an important role in Drosophila development and has peak levels of expression during the period of neurogenesis,it was proposed that the human SIM gene is a candidate for involvement in certain dysmorphic features (particularly the facial and skull characteristics), abnormalities of brain development, and/or mental retardation of Down syndrome.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Single-minded homolog 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for the Single-minded homolog 1 antibody.

Storage

Aliquot the Single-minded homolog 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.