abcam

ab106764

Anti-POU3F3/Brain1 antibody

Key facts

Isotype	IgG
Host species	Goat
Storage buffer	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Form	Liquid
Clonality	Polyclonal
Immunogen	Synthetic Peptide within Human POU3F3 aa 50-150. The exact immunogen used to generate this antibody is proprietary information. Database link P20264
Purification technique	Affinity purification Immunogen
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Reactivity data

ICC

Tested

Species	Mouse
Dilution info	10 µg/mL
Notes	-

Predicted

Species	Rat, Human
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Mouse
Dilution info	10 µg/mL
Notes	-

Predicted

Species	Rat, Human
Dilution info	-
Notes	-

WB

Tested

Species	Mouse
Dilution info	1-3 µg/mL
Notes	1 hour primary incubation is recommended for this product.

Predicted

Species	Rat, Human
Dilution info	-
Notes	-

Target data

See full target information POU3F3

Function	Transcription factor that acts synergistically with SOX11 and SOX4. Plays a role in neuronal development (PubMed:31303265). Is implicated in an enhancer activity at the embryonic met-mesencephalic junction; the enhancer element contains the octamer motif (5'-ATTTGCAT-3') (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

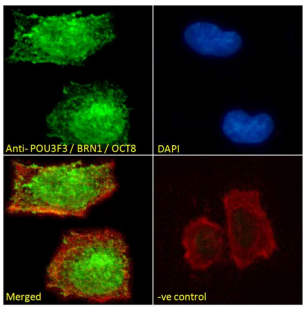
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

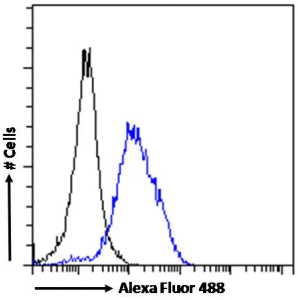
3 product images



Immunocytochemistry - Anti-POU3F3/Brain1 antibody (ab106764)

POU3F3/Brain1 Immunocytochemistry staining using goat Anti-POU3F3/Brain1 antibody

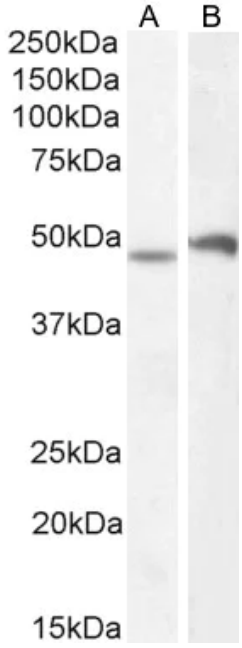
Immunofluorescence analysis of paraformaldehyde fixed Neuro-2a cells, permeabilized with 0.15% Triton, labelling POU3F3/Brain1 with ab106764 for 1 hour at 10ug/mL followed by Alexa Fluor 488 secondary antibody at 2ug/mL, showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG at 10ug/mL followed by Alexa Fluor 488 secondary antibody at 2ug/mL.



Flow Cytometry - Anti-POU3F3/Brain1 antibody (ab106764)

POU3F3/Brain1 Flow Cytometry staining using goat Anti-POU3F3/Brain1 antibody

Flow cytometric analysis of paraformaldehyde fixed Neuro-2a cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western blot - Anti-POU3F3/Brain1 antibody (ab106764)

All lanes:
Western blot - Anti-POU3F3/Brain1 antibody (ab106764) at 1 µg/mL

Lane 1:
Mouse spinal cord lysate at 35 µg

Lane 2:
Mouse brain lysate at 35 µg

Predicted band size: 50 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.