

FOXB1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54543

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q99853
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34978
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FOXB1
Epitope Specificity	1-100/325
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear
SIMILARITY	Contains 1 fork-head DNA-binding domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FOXB1 and FOXB2 are winged helix/forkhead transcription factors. FOXB1 is specifically expressed in the developing central nervous system (CNS). Early embryonic FOXB1 expression is restricted to the mammillary body region of the caudal hypothalamus, midbrain, hindbrain and spinal cord. FOXB1 may play a role in postnatal growth, lactation and CNS development.

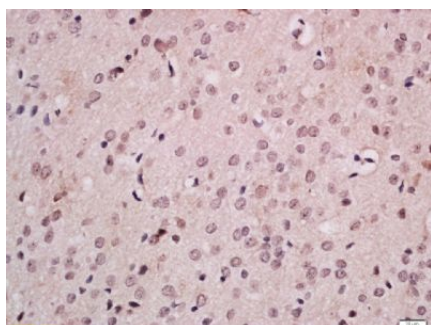
Additional Information

Gene ID	27023
Other Names	Forkhead box protein B1, Transcription factor FKH-5, FOXB1, FKH5
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FOXB1
Synonyms	FKH5
Function	Transcription factor expressed by neural progenitor cells in specific regions of the embryonic neuroepithelium. Essential for the mammillary nuclei maintenance. Negatively regulates the proliferation of oligodendrocyte progenitors and promotes oligodendrocyte maturation. Also expressed in mammary glands, plays a role in lactation, controls development of mammary glands and the inferior colliculi of the midbrain in the central nervous system that regulates the milk-ejection reflex.
Cellular Location	Nucleus {ECO:0000250 UniProtKB:Q64732}.

Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-FOXB1 Polyclonal Antibody, Unconjugated(AP54543) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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