

For Research Use Only

ATOH1 Polyclonal antibody

Catalog Number: 21215-1-AP **19 Publications**



Basic Information

Catalog Number: 21215-1-AP	GenBank Accession Number: BC069594	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 474	Recommended Dilutions: WB 1:5000-1:50000 IF 1:50-1:500
Source: Rabbit	Full Name: atonal homolog 1 (Drosophila)	
Isotype: IgG	Calculated MW: 354 aa, 38 kDa	
Immunogen Catalog Number: AG15615	Observed MW: 38-40 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: ChIP, IF, IHC, WB	WB : Neuro-2a cells, mouse brain tissue, HepG2 cells, mouse small intestine tissue, rat brain tissue
Species Specificity: human, mouse, rat	IF : mouse brain tissue, HepG2 cells
Cited Species: human, mouse	

Background Information

ATOH1, also named as Protein atonal homolog 1 or BHLHA14, is a 364 amino acid protein, which contains 1 bHLH (basic helix-loop-helix) domain. ATOH1, as a transcriptional regulator in the nucleus activates E box-dependent transcription in collaboration with TCF3/E47, but the activity is completely antagonized by the negative regulator of neurogenesis HES1. ATOH1 plays a role in the differentiation of subsets of neural cells by activating E box-dependent transcription.

Notable Publications

Author	Pubmed ID	Journal	Application
Levi Todd	34686336	Cell Rep	IF
Hui Wu	33217689	Biomed Pharmacother	WB
Brittany R Jenkins	34042222	FASEB J	WB

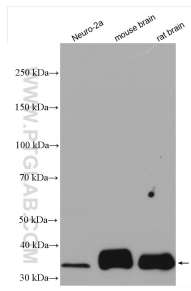
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

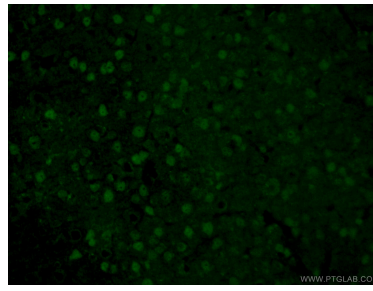
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21215-1-AP (ATOH1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 21215-1-AP (ATOH1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).