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Rabbit Anti-MASH1 antibody

SL1155R

Product Name:	MASH1
Chinese Name:	神经母细胞特异性转移因子抗体
Alias:	Achaete scute complex homolog 1; ASCL1; MASH1/Achaete-scute homolog 1; Achaete scute complex homolog like 1; Achaete scute complex homologue 1; Achaete scute complex homologue like 1; Ascl 1; Ascl1; Ash 1; Ash1; Hash 1;Hash1; Mammalian achaete scute homolog 1; Mammalian achaete scute homologue 1; Mash 1; Mash1; Achaete-scute homolog 1; ASCL1_HUMAN; ASH-1; hASH1; Class A basic helix-loop-helix protein 46; bHLHa46.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ASCL1:151-250/236
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the basic helix-loop-helix (BHLH) family of transcription factors. The protein activates transcription by binding to the E box (5'-

CANNTG-3'). Dimerization with other BHLH proteins is required for efficient DNA binding. This protein plays a role in the neuronal commitment and differentiation and in the generation of olfactory and autonomic neurons. Mutations in this gene may contribute to the congenital central hypoventilation syndrome (CCHS) phenotype in rare cases. [provided by RefSeq, Jul 2008]

Function:
Transcriptional regulator. May play a role at early stages of development of specific neural lineages in most regions of the CNS, and of several lineages in the PNS. Essential for the generation of olfactory and autonomic neurons. Involved in the initiation of neuronal differentiation. Mediates transcription activation by binding to the E box (5'-CANNTG-3').

Subunit:
Efficient DNA binding requires dimerization with another bHLH protein. Forms a heterodimer with TCF3.

Subcellular Location:
Nucleus (Probable).

Similarity:
Contains 1 basic helix-loop-helix (bHLH) domain.

SWISS:
P50553

Gene ID:
429

Database links:

Entrez Gene: 429 Human

Entrez Gene: 17172 Mouse

Entrez Gene: 64186 Rat

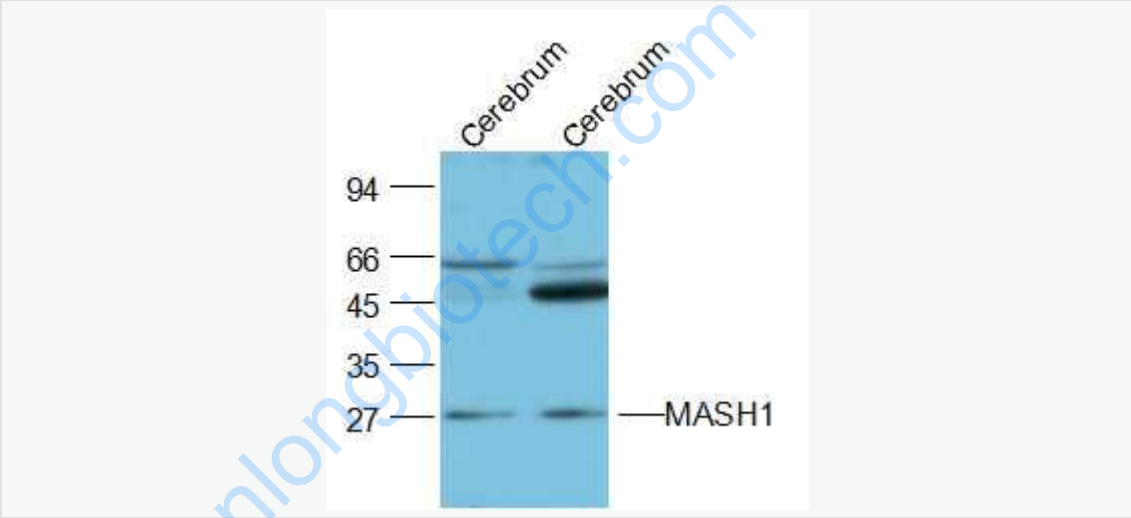
Omim: 100790 Human

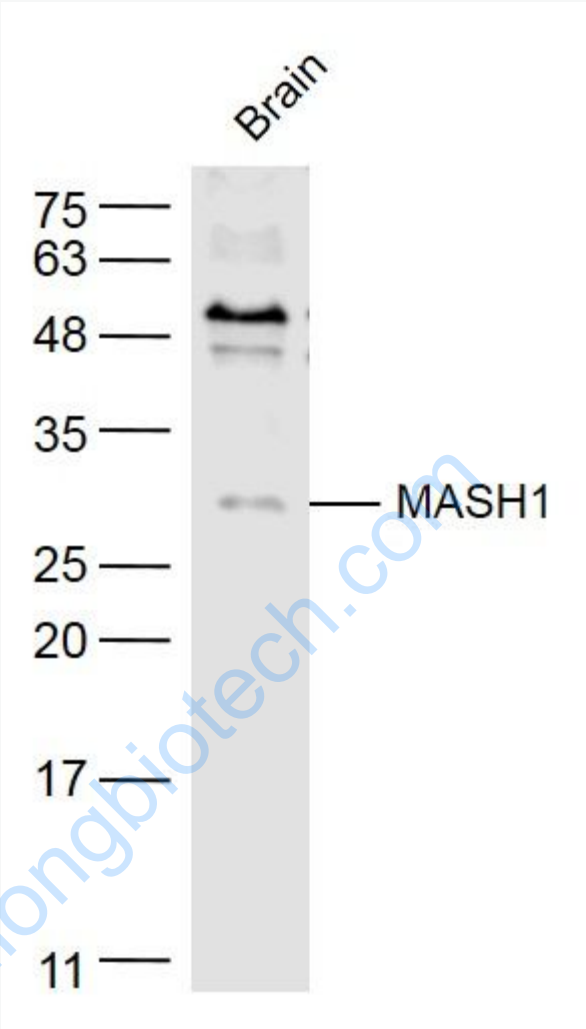
SwissProt: P50553 Human

SwissProt: Q02067 Mouse

SwissProt: P19359 Rat

Unigene: 703025 Human

	Unigene: 136217 Mouse Unigene: 32936 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. ASCL1/ASH1是一种神经母细胞特异性转移因子,可以促进细胞向一定方向分化但却抑制了最终的分化环节,造成细胞停留于不成熟阶段.
Picture:	 Sample: Cerebrum (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug Primary: Anti-MASH1 (SL1155R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 26 kD



Sample:

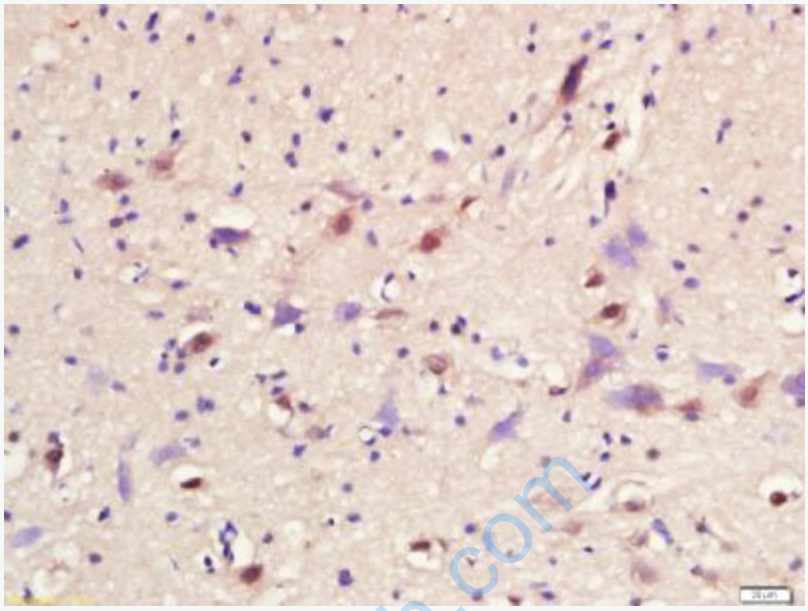
Brain (Mouse) Lysate at 40 ug

Primary: Anti-MASH1 (SL1155R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

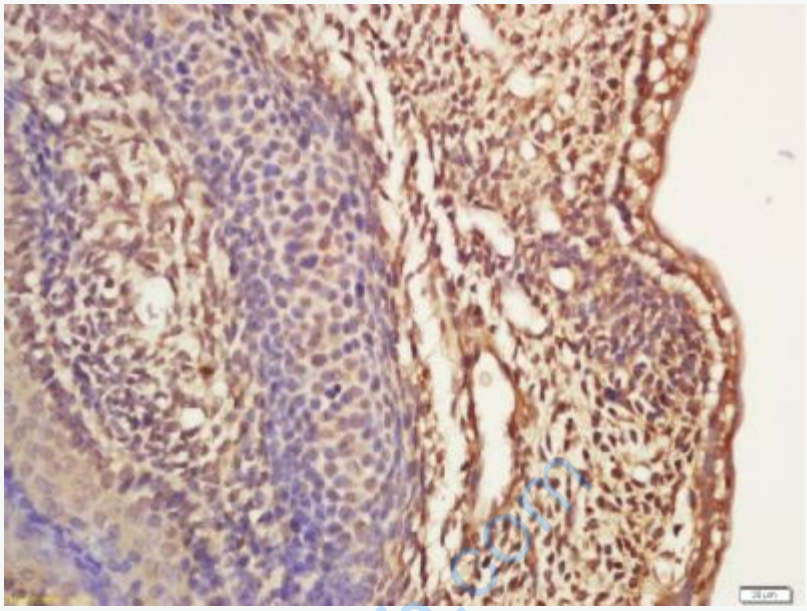
Predicted band size: 26 kD

Observed band size: 26 kD



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℃ for 20 min;

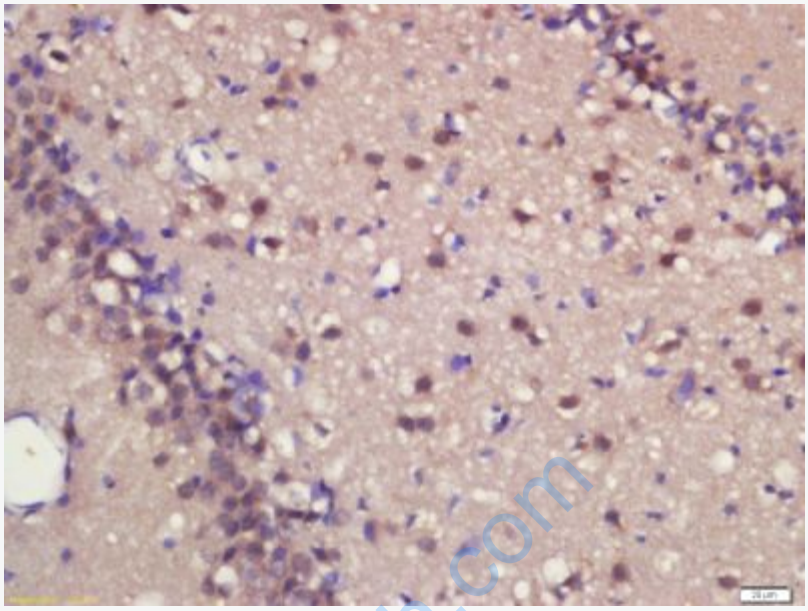
Incubation: Anti-MASH1 Polyclonal Antibody, Unconjugated(SL1155R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse embryos 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℃ for 20 min;

Incubation: Anti-MASH1 Polyclonal Antibody, Unconjugated(SL1155R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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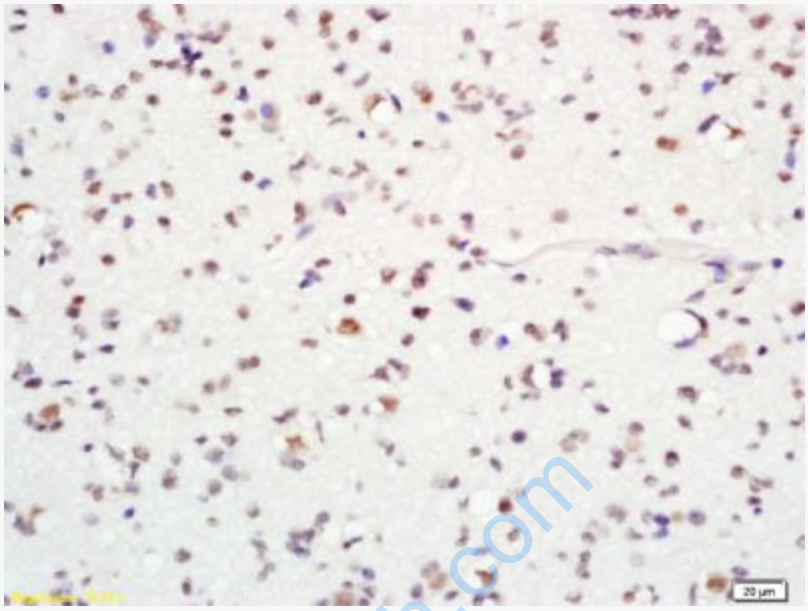

Tissue/cell: human glioma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

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℃ for 20 min;

Incubation: Anti-MASH1 Polyclonal Antibody, Unconjugated(SL1155R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining