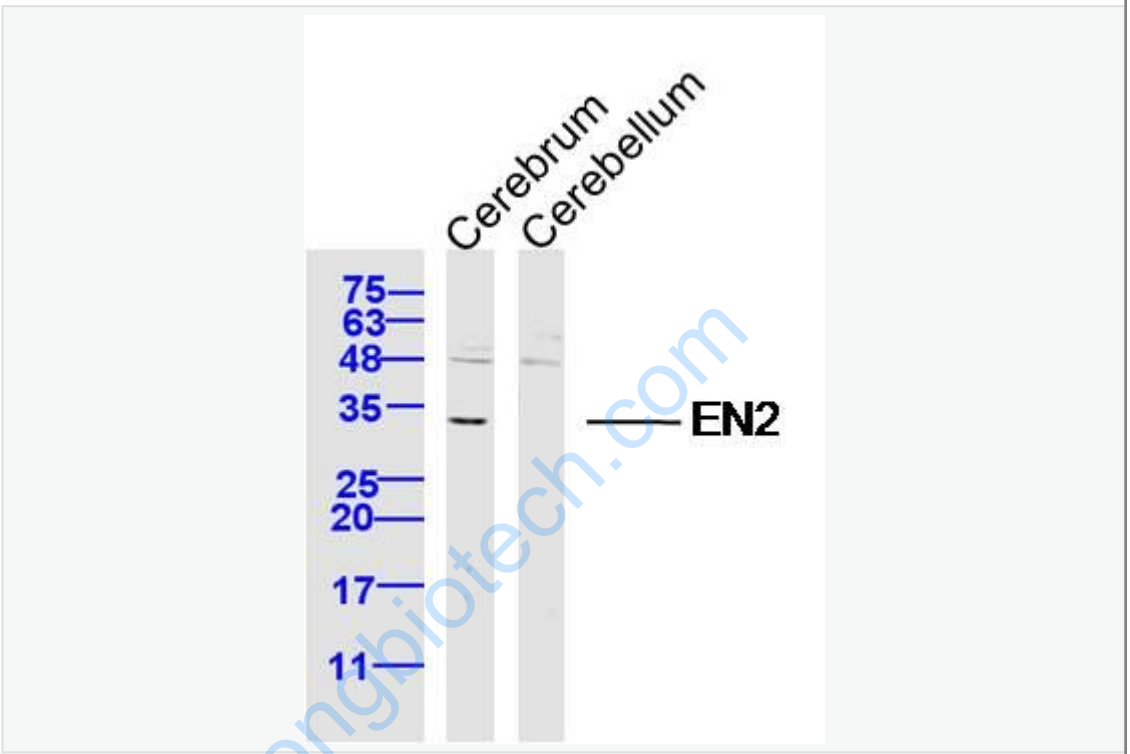
SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-EN2 antibody

SL11552R

Product Name:	EN2
Chinese Name:	同源盒蛋白转录因子EN2抗体
Alias:	AUTS 1; AUTS1; EN 2; Engrailed 2; Engrailed homeo box 2; Engrailed homeobox 2; Engrailed homolog 2; Engrailed2; Homeobox protein engrailed 2; Homeobox protein engrailed2; Hu En 2; HuEn2; MabEn; HME2_HUMAN; Homeobox protein engrailed-2; Homeobox protein en-2; Hu-En-2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	34kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EN2/Engrailed 2:281-333/333
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:	Homeobox-containing genes are thought to have a role in controlling development. In Drosophila, the 'engrailed' (en) gene plays an important role during development in segmentation, where it is required for the formation of posterior compartments. Different mutations in the mouse homologs, En1 and En2, produced different

	developmental defects that frequently are lethal. The human engrailed homologs 1 and 2 encode homeodomain-containing proteins and have been implicated in the control of pattern formation during development of the central nervous system. [provided by RefSeq, Jul 2008]. **Function:** EN1 and EN2 encode homeodomain containing proteins and have been implicated in the control of pattern formation during development of the central nervous system. EN2 may play a role in susceptibility to autism spectrum disorders. **Subcellular Location:** Nuclear. **DISEASE:** Note=Genetic variations in EN2 may be associated with susceptibility to autism. **Similarity:** Belongs to the engrailed homeobox family. Contains 1 homeobox DNA-binding domain. **SWISS:** P19622 **Gene ID:** 2020 **Database links:** Entrez Gene: 2020 Human Entrez Gene: 13799 Mouse Entrez Gene: EN2 Rat Omim: 131310 Human SwissProt: Q05917 Chicken SwissProt: P19622 Human SwissProt: P09066 Mouse Unigene: 134989 Human Unigene: 4298 Mouse

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Cerebrum (Mouse) Lysate at 40 ug Cerebellum (Mouse) Lysate at 40 ug Primary: Anti-EN2 (SL11552R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 34 kD