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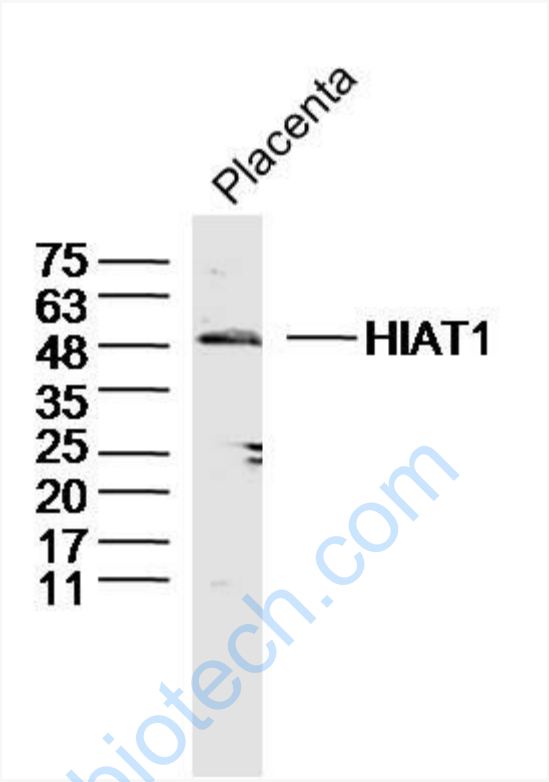
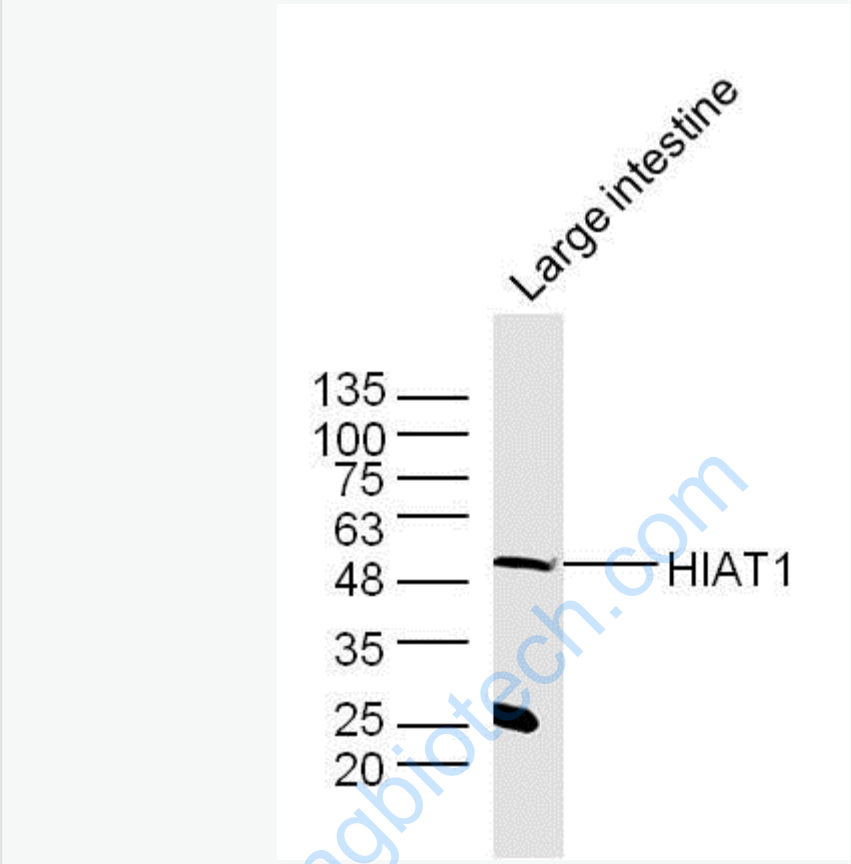
Rabbit Anti-HIAT1 antibody

SL8042R

Product Name:	HIAT1
Chinese Name:	海马丰富基因转录蛋白1抗体
Alias:	Hippocampus abundant gene transcript 1; Hippocampus abundant transcript; Hippocampus abundant transcript 1; Putative tetracycline transporter like protein; Tetracycline transporter like prot; MGC144858; rCG_28876; DKFZp564L0864; HIAT1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,
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:	53kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HIAT1:1-50/490<Extracellular>
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:	The Major facilitator superfamily consists of presumed carbohydrate transporters with 10-12 membrane-spanning domains. Belonging to the facilitator superfamily, HIAT1 is a 490 amino acid multi-pass membrane protein that may function as a sugar transporter

	and is expressed in adult and embryonic brain. The HIAT1 gene was first observed while analyzing for active genes in neonatal mouse hippocampus. The gene encoding HIAT1 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. Stickler syndrome, Parkinsons, schizophrenia, familial adenomatous polyposis, Gaucher disease and Usher syndrome are also associated with chromosome 1. **Subcellular Location:** Membrane; Multi-pass membrane protein (Potential). **Similarity:** Belongs to the major facilitator superfamily. **SWISS:** Q96MC6 **Gene ID:** 64645 **Database links:** Entrez Gene: 64645Human Entrez Gene: 15247Mouse Entrez Gene: 100134827Rat SwissProt: Q96MC6Human SwissProt: P70187Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: Placenta (Mouse) Lysate at 40 ug Primary: Anti-HIAT1 (SL8042R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53kD Observed band size: 50kD



Sample: Large intestine (Mouse) Lysate at 40 ug

Primary: Anti-HIAT1 (SL8042R) at 1/300 dilution

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

Predicted band size: 53 kD

Observed band size: 53 kD