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Rabbit Anti-LBX1 antibody

SL11867R

Product Name:	LBX1
Chinese Name:	转录因子LBX1抗体
Alias:	Homeobox; HPX 6; HPX6 antibodyLady bird like homeobox; Ladybird homeobox 1; Ladybird homeobox homolog 1; Ladybird homeobox protein homolog 1; LBX 1; LBX 1H; LBX1H; Transcription factor LBX1; Transcription factor similar to D. melanogaster homeodomain protein lady bird late; LBX1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Zebrafish,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	30kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LBX1:166-250/281
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 human homolog of the Drosophila lady bird late gene, LBX1, is specifically expressed in the developing central nervous system and musculoskeletal system. The LBX1 gene has a restrictive expression pattern in the dorsal portion of the mantle of the spinal cord and the hindbrain of the CNS. In the developing mouse and chicken musculoskeletal system, Lbx1 is expressed in migrating limb muscle precursor cells. In

addition, Lbx1 may regulate migratory patterns of limb muscle cell precursors and may be essential to dorsal identification of forelimb muscles.

Function:
This gene and the orthologous mouse gene were found by their homology to the Drosophila lady bird early and late homeobox genes. In the mouse, this gene is a key regulator of muscle precursor cell migration and is required for the acquisition of dorsal identities of forelimb muscles.

Subunit:
Interacts with SKOR1 which acts as a transcriptional corepressor

Subcellular Location:
Nuclear

Similarity:
Contains 1 homeobox DNA-binding domain.

SWISS:
P52954

Gene ID:
10660

Database links:

Entrez Gene: 10660Human

Entrez Gene: 16814Mouse

Entrez Gene: 499362Rat

Omim: 604255Human

SwissProt: P52954Human

SwissProt: P52955Mouse

SwissProt: Q1XID0Rat

Unigene: 37128Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.