

Chicken anti-Human LINE-1 Polyclonal Antibody | anti-L1TD1 antibody

LINE-1 (L1, Long Interspersed Element, Retrotransposon ORF2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14722	Chicken	Human	ELISA, Western Blot

PRODUCT SYNONYMS

LINE-1; Polyclonal Antibody; LINE-1 (L1; Long Interspersed Element; Retrotransposon ORF2); Anti -LINE-1 (L1; anti-L1TD1 antibody

PRODUCT SPECIFICATIONS

Host	Chicken
Reactivity	Human
Clonality	Polyclonal
Isotype	IgY
Specificity	Recognizes human LINE-1 at ~149kD.
Purity/Purification	Purified Purified by selective precipitation and salt fractionation followed by extensive dialysis.
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.01% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-L1TD1 antibody	ELISA, WB (Western Blot)
Application Notes	Suitable for use in ELISA and Western Blot. Dilution: ELISA: 1:10,000 Western Blot: 1:2000-1:10,000
Immunogen	Synthetic peptides corresponding to regions within the endonuclease domain of human LINE-1, conjugated to KLH.
Species Sequence Homology	Chimpanzee; 100%, macaque, fruit fly, bovine, canine, opossum, rat; 69-88%
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



WB (Western Blot)
Western Blot using AAA14722 shows detection of induced bacterially expressed human ORF2 (left lane). No specific band staining is seen in the uninduced lane (right lane). The lower molecular weight bands represent non-specific staining. The band at ~70kD corresponds to a human L1/ORF2 EN domain fusion protein (arrowhead).

ADDITIONAL INFORMATION

Related Product Information for anti-L1TD1 antibody	The L1 (LINE-1), or Long Interspersed Element, retrotransposon ORF2 is the most common open reading frame in the human genome, present in various forms in many thousands of copies. This large family of proteins includes magnesium dependent endonucleases and a large number of phosphatases involved in intracellular signaling. Both intact ORF1 and ORF2 are absolutely required for autonomous retro-transposition. ORF2 encodes an endonuclease, reverse transcriptase, and zinc knuckle domains. The expression of ORF2 appears to be tightly regulated except in germ line tissues, embryonic tissues, and certain cancers including teratomas, testicular cancers, and leukemias. This antibody is intended for use in studying control of L1 retrotransposons.
Product Categories/Family for anti-L1TD1 antibody	Antibodies; Abs to Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	258679511
NCBI GeneID	54596
NCBI Accession #	NP_001158307.1
NCBI GenBank Nucleotide #	NM_001164835.1
UniProt Accession #	Q5T7N2; Q8NDA1; Q9NUV8; Q9NV78
Molecular Weight	~149kD
NCBI Official Full Name	LINE-1 type transposase domain-containing protein 1
NCBI Official Synonym Full Names	LINE-1 type transposase domain containing 1
NCBI Official Symbol	L1TD1
NCBI Official Synonym Symbols	ECAT11; RP5-1155K23.3
NCBI Protein Information	LINE-1 type transposase domain-containing protein 1; ES cell-associated protein 11
UniProt Protein Name	LINE-1 type transposase domain-containing protein 1
UniProt Gene Name	L1TD1
UniProt Synonym Gene Names	ECAT11
UniProt Entry Name	L1TD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/line-1-antibody-western-blot-elisa/14722>