

Datasheet for ABIN3044124

## anti-FSTL3 antibody (Middle Region)



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	FSTL3
Binding Specificity:	AA 145-159, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FSTL3 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Purpose:	Anti-Follistatin-related protein 3 FSTL3 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human FSTL3, different from the related rat and mouse sequences by one amino acid.
Sequence:	ECELRAARCR GHPDL
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	<p>Anti-Follistatin-related protein 3 FSTL3 Antibody (ABIN3044124). Tested in WB applications.</p> <p>This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.</p>

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: FSTL3

Alternative Name: FSTL3 ([FSTL3 Products](#))

Background: Synonyms: Follistatin-related protein 3, Follistatin-like protein 3, Follistatin-related gene protein, FSTL3, FLRG, UNQ674/PRO1308,  
Tissue Specificity: Expressed in a wide range of tissues. .  
Background: FSTL3 (Follistatin-Like 3) also known as FLRG or FOLLISTATIN-RELATED GENE, is a member of the follistatin-module protein family, which is composed of extracellular matrix-associated glycoproteins though to act in a paracrine manner to bind morphogens or growth/differentiation factors and regulate their activity during development. The FSTL3 gene extends over 7 kbp and contains 5 exons. By Southern blot analysis of somatic cell hybrids and FISH, Hayette et al. (1998) localized the FSTL3 gene to chromosome 19p13. Using recombinant mouse Fstl3, Tsuchida et al. (2000) found that Fstl3 bound both activin and BMP2 and had a higher affinity for activin. Overexpression of Fstl3 inhibited BMP2-induced cell signaling in a reporter assay. In addition to the translocation in a case of B-cell chronic lymphocytic leukemia from which FSTL3 was isolated, Hayette et al. (1998) also observed rearrangement of the FSTL3 gene in a case of B-cell non-Hodgkin lymphoma and in a case of B-cell mantle zone lymphoma, suggesting that FSTL3 may be involved in the leukemogenesis process.  
Sequence Similarities: Contains 2 follistatin-like domains.

Molecular Weight: 22-24 kDa

UniProt: [O95633](#)

## Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat  
1. Hayette, S., Gadoux, M., Martel, S., Bertrand, S., Tigaud, I., Magaud, J.-P., Rimokh, R. FLRG (follistatin-related gene), a new target of chromosomal rearrangement in malignant blood disorders. *Oncogene* 16: 2949-2954, 1998. 2. Mukherjee, A., Sidis, Y., Mahan, A., Raheer, M. J., Xia, Y., Rosen, E. D., Bloch, K. D., Thomas, M. K., Schneyer, A. L. FSTL3 deletion reveals roles for TGF-beta family ligands in glucose and fat homeostasis in adults. *Proc. Nat. Acad. Sci.* 104: 1348-1353, 2007. 3. Tsuchida, K., Arai, K. Y., Kuramoto, Y., Yamakawa, N., Hasegawa, Y., Sugino, H. Identification and characterization of a novel follistatin-like protein as a binding protein for the

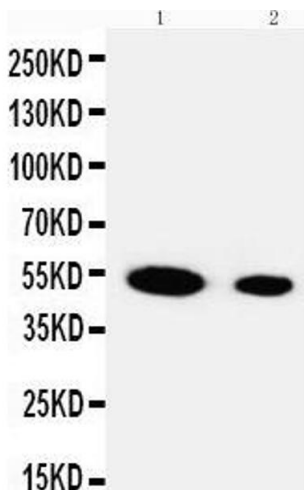
Application Details

	TGF-beta family. J. Biol. Chem. 275: 40788-40796, 2000.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Lane 2: Recombinant Human FSTL3 Protein 5ng