



Everest Biotech Ltd  
Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD, UK

[www.everestbiotech.com](http://www.everestbiotech.com)

[info@everestbiotech.com](mailto:info@everestbiotech.com)  
[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tel +44 1869 238326  
Fax +44 1869 238327

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for diagnostic or  
therapeutic use.**

Storage: Aliquot and store at  
-20°C. Minimize freezing and  
thawing.

## Product: EB06476 – Goat anti-Schlafen 8 (Mouse)

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

### **Target Protein**

Principal Names: Slfn8-pending; Slfn8; schlafen 8 (mouse)

Official Gene Symbol: Slfn8

Accession Number(s): NP\_853523.1

Human Gene ID(s):

Non-Human GeneID(s): 276950 (mouse);

This antibody is has been designed to recognise mouse Slfn8 (NP\_853523.1), however it MAY recognise mouse Slfn-10 (AAP30073) and mouse Slfn-9 (AAP30071) based on their similarity at the C-terminus.

### **Immunogen**

Peptide with sequence YFPTPEGHSSTEAC, from the C Terminus of the protein sequence according to NP\_853523.1

### **Purification**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:64,000. Western Blot: Preliminary experiments gave an approx 70kDa band in Mouse Liver lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 104kDa according to NP\_853523.1. The 70kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### **Species Reactivity**

Tested:

Expected from sequence similarity: Mouse

### **Background Reference**

Geserick P, Kaiser F, Klemm U, Kaufmann SH, Zerrahn J.  
Modulation of T cell development and activation by novel members of the Schlafen (slfn) gene family harbouring an RNA helicase-like motif.  
Int Immunol. 2004 Oct;16(10):1535-48. Epub 2004 Sep 06.  
PMID: 15351786

