COSMO BIO CO., LTD.
Inspiration for Life Science

POLYCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. BAM-73-038-EX

Anti IGSF8
[Immunoglobulin superfamily member 8]

BACKGROUND
IGSF8 may play a key role in diverse functions ascribed to CD81 and CD9 such as oocytes fertilization or hepatitis C virus function. May regulate proliferation and differentiation of keratinocytes. May be a negative regulator of cell motility: suppresses T-cell mobility coordinately with CD81, associates with CD82 to suppress prostate cancer cell migration, regulates epidermoid cell reaggregation and motility on laminin-5 with CD9 and CD81 as key linkers. May also play a role on integrin-dependent morphology and motility functions. May participate in the regulation of neurite outgrowth and maintenance of the neural network in the adult brain.

Product type	Primary antibody
Immunogen	Full-length mouse IGSF8 with Flag tag
Host Species	Rabbit
Fusion Partner	-
Clone Designation	-
Isotype	
Host	-
Source	-
Purification	IgG fraction
Form	Liquid
Formulation Buffer	PBS containing 50% Glycerol, 0.05% NaN_3 as a preservative
Concentration	0.5 mg / ml
Volume	100 ul (50 ug)
Label	Unlabeled
Specificity	IGSF8
Cross species reactivity	Mouse. Likely to react with rat and human due to high sequence homology.
Storage Conditions	Shipped at 4℃ or -20℃. Upon arrival, spin-down and store at -20℃. Aliquot to avoid cycles of freeze/thaw.
Other	**Data Link** : uniprot/Q8R366 mouse IGSF8 Gene ID140559 mouse IGSF8

Application notes
Recommended dilutions

- **Western blotting:** 1/500 - 1/1000
- **Immunofluorescence:** 1/100

*Molecular mass: 65,011 Da with 611 amino acids

Other applications have not been tested.
Optimal dilutions/concentrations should be determined by the end user.

References

1) Inoue N., *et al*. Tetraspanin-interacting protein IGSF8 is dispensable for mouse fertility. Fertil Steril. 2012 Aug;98(2):465-70. PMID: 22609062

* This antibody was described and used in Ref.1).

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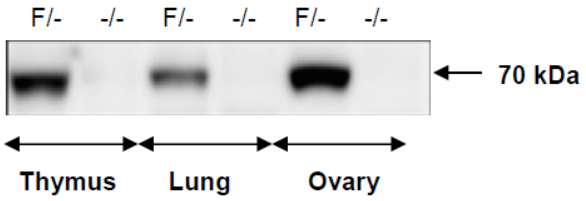
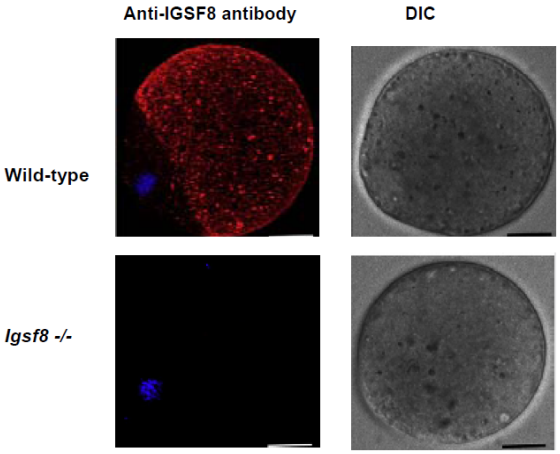
ANTIBODY CHARACTERIZATION



Lysates of tissues (30 µg) were analyzed by western blotting using the antibody at 1/500 dilution. " F " and " – " stand for floxed and knock-out alleles, respectively.

Fig 1. Analysis of IGSF8 protein in various tissues of *Igff8*-targeted mice by western blotting with anti-IGFS8 antibody.



Zona-free eggs were fixed in PBS containing 0.5% (v/v) polyvinylpyrrolidone and 4% (v/v) paraformaldehyde. The anti-IGSF8 antibody was used at 1/100 dilution and as the second antibody, Alexa-Fuor 546 labeled anti-rabbit IgG was used (red). Then the DNA was stained with Hoechst 33342 (blue). "DIC" is picture of Differential Interferernce Contrast microscopy.

Fig.2. Immunofluorescence staining of IGSF8 protein in eggs of wild-type mouse and *Igsf8* knock-out mouse with anti-IGSF8 antibody.

RELATED PRODUCTS:

Product Name	Clone	Application	Maker	Cat#
Anti- SLA (haploid sperm cell-specific antigen) Monoclonal Antibody	TRA54	WB / IP / EM	BAM	73-001
Anti- GENA (germ cell-specific antigen) Monoclonal Antibody	TRA98	WB / IHC	BAM	73-003
Anti- ACE3 Polyclonal Antibody	Poly.	WB / IHC / IF	BAM	73-006
Anti- Calreticulin / CALR Polyclonal Antibody	Poly.	WB / IP	BAM	73-018
Anti- Calreticulin-3 / CALR3 Polyclonal Antibody	Poly.	WB / IP / IHC	BAM	73-022
Anti- Calnexin Polyclonal Antibody	Poly.	WB / IP	BAM	73-026
Anti- CD52 Polyclonal Antibody	Poly.	WB / IP	BAM	73-030
Anti- Calmegin Polyclonal Antibody	Poly.	WB / IP	BAM	73-034
Anti- IGSF8 Polyclonal Antibody	Poly.	WB / IF	BAM	73-038
Anti- PDILT Polyclonal Antibody	Poly.	WB / IP / IHC	BAM	73-051
Anti- PMIS2 Polyclonal Antibody	Poly.	WB	BAM	73-055
Anti- SPACA1 Polyclonal Antibody	Poly.	WB	BAM	73-062
Anti- SPESP1 Polyclonal Antibody	Poly.	WB / IF	BAM	73-065

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