

# Product Datasheet

## GRAIL/RNF128 Antibody - BSA Free NBP2-24610

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-24610**

GRAIL/RNF128 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

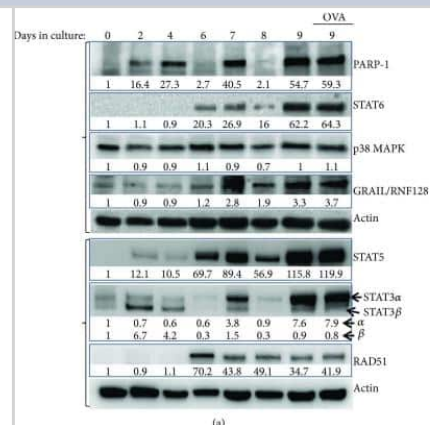
Product Description	
Host	Rabbit
Gene ID	79589
Gene Symbol	RNF128
Species	Human, Mouse, Rat, Canine, Equine, Primate
Reactivity Notes	The amino acid sequence used as immunogen is 100% homologous in chimpanzee, monkey and orangutan, 94% homologous in cow, 88% homologous in cat and 83% homologous in opossum, rat and mouse.
Immunogen	A synthetic peptide corresponding to amino acids portion of amino acids 227-269 of human GRAIL was used as immunogen, GenBank no. NP_919445.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5-2 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 24356810), Immunohistochemistry-Paraffin 5-10 ug/ml

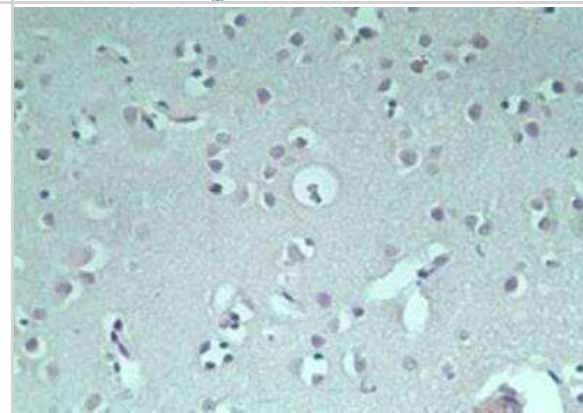


## Images

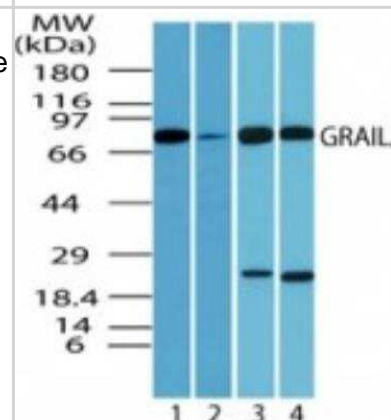
**Western Blot: GRAIL/RNF128 Antibody [NBP2-24610] - Bone marrow progenitors** were isolated from C57BL/6 mice and incubated with 20ng/ml GM-CSF. (a) Cells were collected at days 0-9. A portion of the cells at day 8 were stimulated with OVA for 24h. Collected cells were processed for protein extraction followed by immunoblot analysis with antibodies to the indicated proteins. Blots were stripped of antibodies prior to probing with the next one. The two braces on the left represent two different gels of the same samples. Signals were quantified and are shown as values under the respective blots. Image collected and cropped by CiteAb from the following publication ([hindawi.com/journals/mi/2019/1656484/](https://hindawi.com/journals/mi/2019/1656484/)), licensed under a CC-BY license.



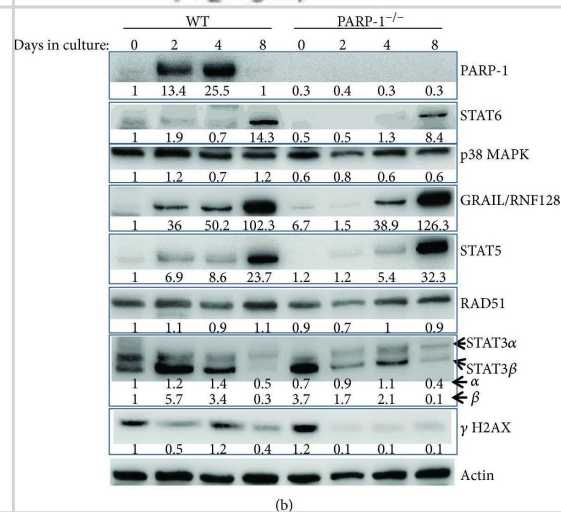
**Immunohistochemistry-Paraffin: GRAIL/RNF128 Antibody [NBP2-24610]** - Staining of normal human brain using control (rabbit Ig) at 5 ug/ml.



**Western Blot: GRAIL/RNF128 Antibody [NBP2-24610] - Analysis of human GRAIL** in human spleen lysate in the 1) absence and 2) presence of immunizing peptide, 3) mouse spleen and 4) rat spleen using NBP2-24610 at 1 ug/ml.



**Western Blot: GRAIL/RNF128 Antibody [NBP2-24610] - Bone marrow progenitors** were isolated from C57BL/6 mice & incubated with 20 ng/ml GM-CSF. (a) Cells were collected at days 0, 2, 4, 6, 7, 8, or 9. A portion of the cells at day 8 were stimulated with OVA for 24 h. Collected cells were processed for protein extraction followed by immunoblot analysis with antibodies to the indicated proteins. Blots were stripped of antibodies prior to probing with the next one. The two braces on the left represent two different gels of the same samples. (b) Bone marrow progenitors from WT or PARP-1<sup>-/-</sup> mice were isolated & processed as in (a). Protein extracts were subjected to immunoblot analysis with antibodies to the indicated proteins. For (a, b), signals were quantified & are shown as values under the respective blots. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31178661/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Echeverri Tirado LC, Ghonim MA, Wang J et al. PARP-1 Is Critical for Recruitment of Dendritic Cells to the Lung in a Mouse Model of Asthma but Dispensable for Their Differentiation and Function Mediators Inflamm. 2019-04-23 [PMID: 31178661] (WB, Mouse)

Mukai A, Iijima H, Hiyama S et al. Regulation of anergy-related ubiquitin E3 ligase, GRAIL, in murine models of colitis and patients with Crohn's disease. J Gastroenterol 2013-12-20 [PMID: 24356810] (ICC/IF, IHC-P, WB, Mouse, Human)

Egawa S, Iijima H, Shinzaki S et al. Upregulation of GRAIL is associated with remission of ulcerative colitis. Am J Physiol Gastrointest Liver Physiol. 2008-07-01 [PMID: 18467499] (WB, Human)

### Details:

WB (T cells isolated from human PBMC): Fig 1B.





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### **Products Related to NBP2-24610**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-24610PEP	GRAIL/RNF128 Antibody Blocking Peptide

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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