

# Product Datasheet

## LPAR1/LPA1/EDG-2 Antibody (OTI1G6) NBP2-01354

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-01354****LPAR1/LPA1/EDG-2 Antibody (OTI1G6)**

| <b>Product Information</b>     |                                          |
|--------------------------------|------------------------------------------|
| <b>Unit Size</b>               | 0.1 ml                                   |
| <b>Concentration</b>           | 0.8 mg/ml                                |
| <b>Storage</b>                 | Store at -20C. Avoid freeze-thaw cycles. |
| <b>Clonality</b>               | Monoclonal                               |
| <b>Clone</b>                   | OTI1G6                                   |
| <b>Preservative</b>            | 0.02% Sodium Azide                       |
| <b>Isotype</b>                 | IgG2b                                    |
| <b>Purity</b>                  | Immunogen affinity purified              |
| <b>Buffer</b>                  | PBS (pH 7.3), 1.0% BSA and 50% Glycerol  |
| <b>Target Molecular Weight</b> | 40.9 kDa                                 |

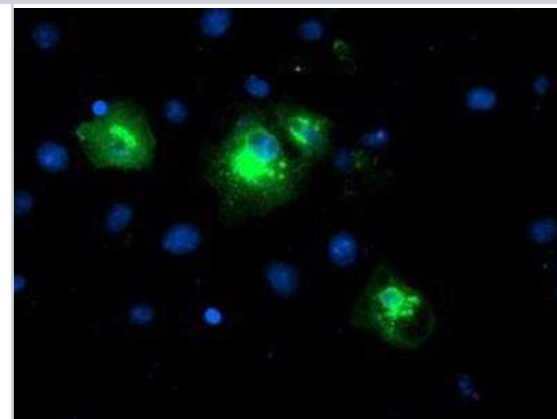
| <b>Product Description</b> |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>                | Mouse                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene ID</b>             | 1902                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Symbol</b>         | LPAR1                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>             | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity Notes</b>    | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. |
| <b>Immunogen</b>           | Full length human recombinant protein of human LPAR1(NP_001392) produced in HEK293T cell.                                                                                                                                                                                                                                                       |

| <b>Product Application Details</b> |                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence                    |
| <b>Recommended Dilutions</b>       | Western Blot 1:2000, Flow Cytometry 1:100, Immunocytochemistry/ Immunofluorescence 1:100 |

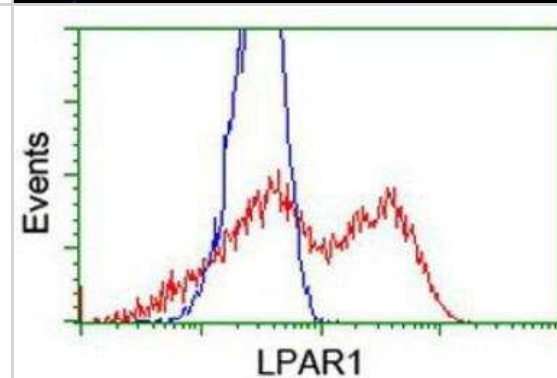


## Images

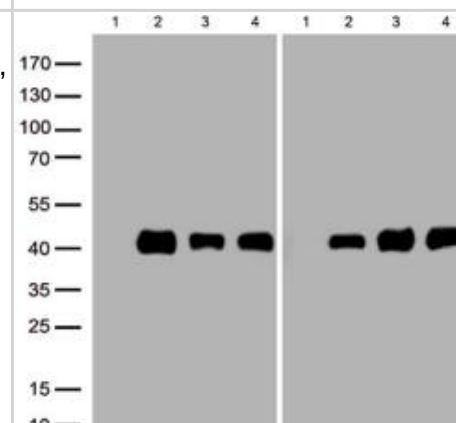
Immunocytochemistry/Immunofluorescence: LPAR1/LPA1/EDG-2 Antibody (1G6) [NBP2-01354] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY EDG2.



Flow Cytometry: LPAR1/LPA1/EDG-2 Antibody (1G6) [NBP2-01354] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-EDG2 antibody, and then analyzed by flow cytometry.



Analysis of overexpressed lysates (25ug per lane) from HEK293T cells transfected with empty plasmid, lane 1), human LPAR1 plasmid, lane 2), mouse LPAR1 plasmid ([MR205601], lane 3), rat LPAR1 plasmid, lane 4) using antiLPAR1 antibody (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody, 1:1000)



## Publications

Pan H L, Liu B L et al Modulation of Nav1.8 by Lysophosphatidic Acid in the Induction of Bone Cancer Pain Neurosci Bull 2016-09-16 [PMID: 27631681] (WB, IF/IHC, Rat)

Details:

Citation using the Azide and BSA Free version of this antibody.



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### **Products Related to NBP2-01354**

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|               |                                                         |
|---------------|---------------------------------------------------------|
| HAF007        | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B       | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP2-27231    | Mouse IgG2b Isotype Control (MPC-11)                    |
| NBP1-03363PEP | LPAR1/LPA1/EDG-2 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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