

Datasheet for ABIN1049192
anti-OXGR1 antibody (Extracellular Domain)

2 Images

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	OXGR1
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC)

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from 3rd extracellular domain of human OXGR1. Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%), Gibbon, Dog, Bat, Elephant, Panda, Horse (94%), Mouse, Rat, Bovine (88%), Rabbit (81%). Type of Immunogen: Synthetic peptide
Specificity:	Human OXGR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%) Gibbon, Dog, Bat, Elephant, Panda, Horse (94%) Mouse, Rat, Bovine (88%) Rabbit (81%).
Purification:	Immunoaffinity purified

Target Details

Target:	OXGR1
Alternative Name:	GPR80 / GPR99 / OXGR1 (OXGR1 Products)
Background:	<p>Name/Gene ID: OXGR1</p> <p>Subfamily: Purinergic</p> <p>Family: GPCR</p> <p>Synonyms: OXGR1, 2-oxoglutarate receptor 1, Alpha-ketoglutarate receptor 1, G protein-coupled receptor 80, GPR80, G-protein coupled receptor 99, GPR99, p2Y purinoceptor 15, p2Y-like nucleotide receptor, p2RY15, Oxoglutarate receptor 1, p2Y-like GPCR, p2Y15, G protein-coupled receptor 99, G-protein coupled receptor 80</p>
Gene ID:	27199

Application Details

Application Notes:	Approved: IHC, IHC-P (22 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	The IHC-pro Immunohistochemistry Protocol

Tissue Preparation

Formalin fixation and embedding in paraffin wax

Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

Concentration:	Lot specific
----------------	--------------

Buffer:	PBS, less than 0.1 % sodium azide.
---------	------------------------------------

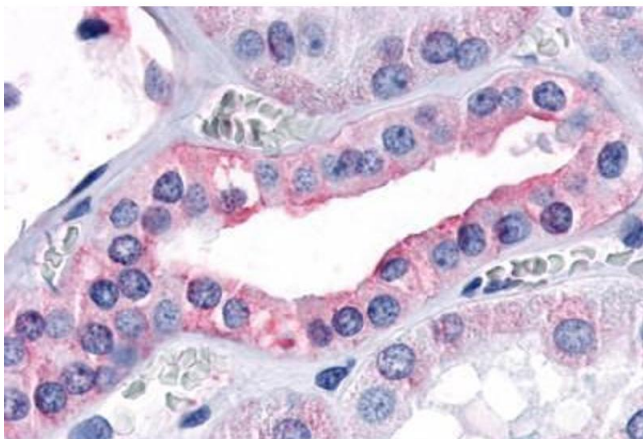
Preservative:	Sodium azide
---------------	--------------

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
--------------------	---

Handling

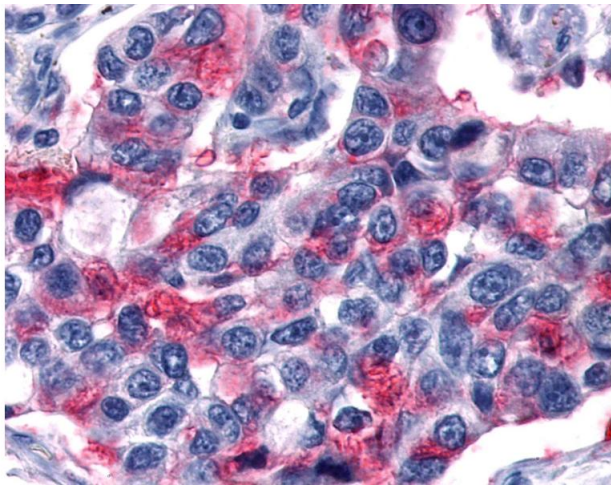
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-OXGR1 antibody ABIN1049192 IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-GPR80 / GPR99 / OXGR1 antibody IHC of human Lung, Non-Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.