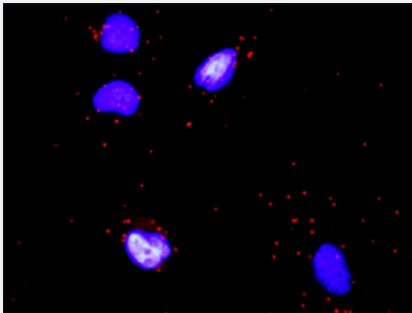


# OSM & COL4A6 Protein Protein Interaction Antibody Pair

Catalog # DI0105

Size 1 Set

## Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between OSM and COL4A6. HeLa cells were stained with anti-OSM rabbit purified polyclonal antibody 1:1200 and anti-COL4A6 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

## Specification

### Product Description

This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the OSM protein, and the other against the COL4A6 protein for use in [in situ Proximity Ligation Assay](#). [See Publication Reference below](#).

### Reactivity

Human

### Quality Control Testing

Protein protein interaction immunofluorescence result.

Representative image of Proximity Ligation Assay of protein-protein interactions between OSM and COL4A6. HeLa cells were stained with anti-OSM rabbit purified polyclonal antibody 1:1200 and anti-COL4A6 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

### Supplied Product

Antibody pair set content:

1. OSM rabbit purified polyclonal antibody (100 ug)
2. COL4A6 mouse monoclonal antibody (40 ug)

\*Reagents are sufficient for at least 30-50 assays using recommended protocols.

### Storage Instruction

Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze-thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- *In situ* Proximity Ligation Assay (Cell)

## Gene Info — COL4A6

Entrez GeneID	<a href="#">1288</a>
Gene Name	COL4A6
Gene Alias	MGC88184
Gene Description	collagen, type IV, alpha 6
Omim ID	<a href="#">303631</a> <a href="#">308940</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene, alpha 5 type IV collagen, so that the gene pair shares a common promoter. Deletions in the alpha 5 gene that extend into the alpha 6 gene result in diffuse leiomyomatosis accompanying the X-linked Alport syndrome caused by the deletion in the alpha 5 gene. Two splice variants have been identified for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000023834 OTTHUMP00000023835 collagen IV, alpha-6 polypeptide collagen alpha 6 type IV collagen of basement membrane, alpha-6 dJ889N15.4 (Collagen Alpha 6(IV)) type IV alpha 6 collagen

## Gene Info — OSM

Entrez GeneID	<a href="#">5008</a>
Gene Name	OSM
Gene Alias	MGC20461
Gene Description	oncostatin M
Omim ID	<a href="#">165095</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. [provided by RefSeq]

**Other Designations**

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## Pathway

- [Cytokine-cytokine receptor interaction](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

## Disease

- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Obstetric Labor](#)

- [Pre-Eclampsia](#)
- [Premature Birth](#)