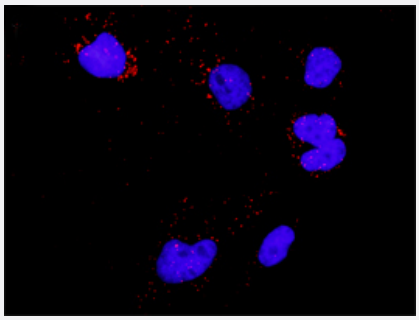
MDM2(phospho S166) & MDM2 Protein Phosphorylation Antibody Pair

Catalog # DP0097 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal antibody 1:50. Each red dot represents one single phosphorylated protein. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

Specification

Product Description	This protein phosphorylation antibody pair set comes with two antibodies, one against the MDM2 pro tein, and the other against the specific S166 phosphorylated site of MDM2 for use in *in situ* Proximity Ligation Assay. See Publication Reference below.
Reactivity	Human
Quality Control Testing	Dual recognition immunofluorescence result. Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were staine d with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal a ntibody 1:50. Each red dot represents one single phosphorylated protein. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.
Supplied Products	Antibody pair set content: 1. Phospho-MDM2 S166 rabbit polyclonal antibody (20 ul) In PBS (0.09% (w/v) sodium azide) 2. MDM2 mouse monoclonal antibody (40 ug) In 1x PBS, pH 7.2 *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 tha w cycle. Reagents should be returned to -20°C storage immediately after use.

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Applications

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — MDM2

Entrez GeneID	4193
Gene Name	MDM2
Gene Alias	HDMX, MGC71221, hdm2
Gene Description	Mdm2 p53 binding protein homolog (mouse)
Omim ID	164785
Gene Ontology	Hyperlink
Gene Summary	This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inacti vation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquiti n ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also af fects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, includin g retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcrip t variants have been isolated from both tumor and normal tissues. [provided by RefSeq
Other Designations	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein|double minute 2, human homol og of; p53-binding protein|mouse double minute 2 homolog|p53-binding protein MDM2|ubiquitin-p rotein ligase E3 Mdm2

Pathway

- Bladder cancer
- Cell cycle
- Chronic myeloid leukemia
- Endocytosis
- Glioma
- Melanoma
- p53 signaling pathway

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- Pathways in cancer
- Prostate cancer
- Ubiquitin mediated proteolysis

Disease

- Abortion
- Acquired Hyperostosis Syndrome
- Acute Disease
- Adenocarcinoma
- Anoxia
- Arthritis
- Asthma
- Brain Neoplasms
- Breast cancer
- Breast Diseases
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cell Transformation
- Cervical Intraepithelial Neoplasia
- Choroid Plexus Neoplasms
- Chromosome Aberrations
- Chronic Disease
- Cocarcinogenesis
- Colon cancer
- Colorectal Neoplasms

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- Constriction
- Critical Illness
- Crohn Disease
- Disease Progression
- Disease Susceptibility
- DNA Damage
- Endometrial Neoplasms
- Esophageal Neoplasms
- Fallopian Tube Neoplasms
- Fibrosis
- Genetic Predisposition to Disease
- Genital Neoplasms
- Glioblastoma
- Glioma
- Head and Neck Neoplasms
- Helicobacter Infections
- Hematologic Diseases
- Hepatitis
- Hepatitis B
- Hepatitis C
- Hodgkin Disease
- Inflammation
- Kidney Failure
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leukemia

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- Leukoplakia
- Li-Fraumeni Syndrome
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meningioma
- Mouth Neoplasms
- Nasopharyngeal Neoplasms
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neuroblastoma
- Neuroma
- Occupational Diseases
- Oligodendroglioma
- Osteosarcoma
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms

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- Papilloma
- Papillomavirus Infections
- Peritoneal Neoplasms
- Pharyngeal Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Pulmonary Disease
- Recurrence
- Retinal Neoplasms
- Retinoblastoma
- Sepsis
- Skin Neoplasms
- Stomach Neoplasms
- The p53 tumor suppressor protein
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Waldenstrom Macroglobulinemia
- Wegener Granulomatosis
- Werner syndrome

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