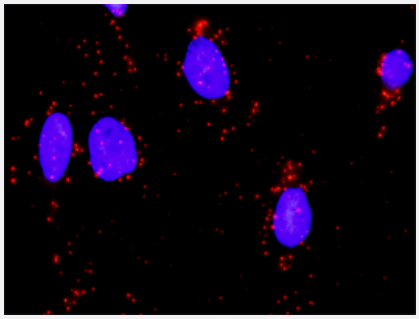
HSP90AB1 & FLNA Protein Protein Interaction Antibody Pair

Catalog # DI0206 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between HSP90AB1 and FLNA. HeLa cells were stained with anti-HSP90AB1 rabbit purified polyclonal antibody 1:1200 and anti-FLNA 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 HSP90AB1 protein, and the other against the FLNA 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 HSP90AB1 and FLNA. HeLa cells were stained with anti-HSP90AB1 rabbit purified polyclonal antibody 1:1200 and anti-FLNA 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. HSP90AB1 rabbit purified polyclonal antibody (100 ug) 2. FLNA 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 — FLNA

Entrez GeneID	2316
Gene Name	FLNA
Gene Alias	ABP-280, ABPX, DKFZp434P031, FLN, FLN1, FMD, MNS, NHBP, OPD, OPD1, OPD2
Gene Description	filamin A, alpha (actin binding protein 280)
Omim ID	300017 300049 300537 304120 309350 311300
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an actin-binding protein that crosslinks actin filaments and lin ks actin filaments to membrane glycoproteins. The encoded protein is involved in remodeling the cytoskeleton to effect changes in cell shape and migration. This protein interacts with integrins, tra nsmembrane receptor complexes, and second messengers. Defects in this gene are a cause of several syndromes, including periventricular nodular heterotopias (PVNH1, PVNH4), otopalatodig ital syndromes (OPD1, OPD2), frontometaphyseal dysplasia (FMD), Melnick-Needles syndrome (MNS), and X-linked congenital idiopathic intestinal pseudoobstruction (CIIPX). Two transcript vari ants encoding different isoforms have been found for this gene
Other Designations	OTTHUMP00000024320|actin-binding protein 280|filamin 1|filamin A, alpha

Gene Info — HSP90AB1

Entrez GeneID	3326
Gene Name	HSP90AB1
Gene Alias	D6S182, FLJ26984, HSP90-BETA, HSP90B, HSPC2, HSPCB
Gene Description	heat shock protein 90kDa alpha (cytosolic), class B member 1
Omim ID	140572
Gene Ontology	Hyperlink

Gene Summary	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 proteins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM
Other Designations	OTTHUMP00000016517|OTTHUMP00000016518|OTTHUMP00000016519|OTTHUMP00000039869|heat shock 90kD protein 1, beta|heat shock 90kDa protein 1, beta|heat shock protein beta

Pathway

- Antigen processing and presentation
- Focal adhesion
- MAPK signaling pathway
- Pathways in cancer
- Prostate cancer

Disease

- Anorexia Nervosa
- Asthma
- Bulimia
- Cardiovascular Diseases
- Cardiovascular Diseases
- Diabetes Mellitus
- Diabetes Mellitus
- Edema
- Edema
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease

- Hematologic Diseases
- Kidney Failure
- Occupational Diseases