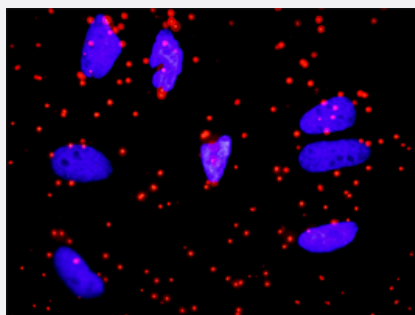


APOA1 & FGA Protein Protein Interaction Antibody Pair

Catalog # DI0197

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between APOA1 and FGA. HeLa cells were stained with anti-APOA1 rabbit purified polyclonal antibody 1:1200 and anti-FGA 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 APOA1 protein, and the other against the FGA 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 APOA1 and FGA. HeLa cells were stained with anti-APOA1 rabbit purified polyclonal antibody 1:1200 and anti-FGA 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. APOA1 rabbit purified polyclonal antibody (100 ug)
2. FGA 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 — APOA1

Entrez GeneID	335
Gene Name	APOA1
Gene Alias	MGC117399
Gene Description	apolipoprotein A-I
Omim ID	107680 604091
Gene Ontology	Hyperlink
Gene Summary	This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. [provided by RefSeq]
Other Designations	OTTHUMP00000069346 OTTHUMP00000069347 OTTHUMP00000069348 apolipoprotein A1

Gene Info — FGA

Entrez GeneID	2243
Gene Name	FGA
Gene Alias	Fib2, MGC119422, MGC119423, MGC119425
Gene Description	fibrinogen alpha chain
Omim ID	105200 134820 202400
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the alpha component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia, afibrinogenemia and renal amyloidosis. Alternative splicing results in two isoforms which vary in the carboxy-terminus. [provided by RefSeq]

Other Designations

fibrinogen, A alpha polypeptide|fibrinogen, alpha chain, isoform alpha preproprotein|fibrinogen, alpha polypeptide

Pathway

- [Complement and coagulation cascades](#)
- [PPAR signaling pathway](#)

Disease

- [Albuminuria](#)
- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Anemia](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Aortic Diseases](#)
- [Aortic Valve Stenosis](#)
- [Atherosclerosis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)

- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)

- [Disease Progression](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Edema](#)
- [Femur Head Necrosis](#)
- [Fetal Membranes](#)
- [Foramen Ovale](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Gout](#)
- [Heart Defects](#)
- [Heart Septal Defects](#)
- [Hemophilia A](#)
- [Hemorrhage](#)
- [Hepatitis](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertension](#)

- [Hypertriglyceridemia](#)
- [Hyperuricemia](#)
- [Hypolipoproteinemias](#)
- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Intracranial Aneurysm](#)
- [Intracranial Arteriosclerosis](#)
- [Ischemia](#)
- [Kidney Failure](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Postoperative Complications](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)

- [Premature Birth](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Retinal Diseases](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombosis](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Verbal Learning](#)
- [Werner syndrome](#)