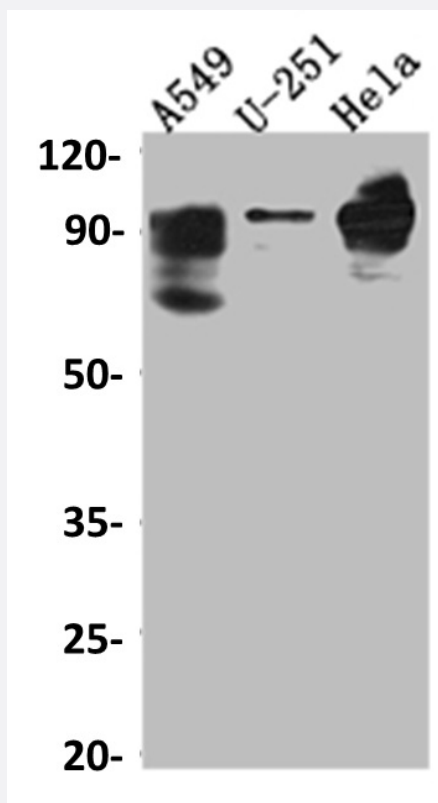


RecomAb™

PDE4D recombinant monoclonal antibody, clone 4D4

Catalog # RAB07441 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A549 whole cell lysate, U-251 whole cell lysate, HeLa whole cell lysate with PDE4D recombinant monoclonal antibody, clone 4D4 (Cat # RAB07441).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PDE4D.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PDE4D.
Theoretical MW (kDa)	Calculated MW: 92, 7
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of A549 whole cell lysate, U-251 whole cell lysate, Hela whole cell lysate with PDE4D recombinant monoclonal antibody, clone 4D4 (Cat # RAB07441).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PDE4D

Entrez GeneID	5144
Protein Accession#	Q08499
Gene Name	PDE4D
Gene Alias	DPDE3, HSPDE4D, PDE4DN2, STRK1
Gene Description	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)
Omim ID	600129 606799
Gene Ontology	Hyperlink

Gene Summary

This gene encodes one of four mammalian counterparts to the fruit fly 'dunce' gene. The encoded protein has 3',5'-cyclic-AMP phosphodiesterase activity and degrades cAMP, which acts as a signal transduction molecule in multiple cell types. This gene uses different promoters to generate multiple alternatively spliced transcript variants that encode functional proteins

Other Designations

cAMP-specific phosphodiesterase 4D|cAMP-specific phosphodiesterase PDE4D6|dunce-like phosphodiesterase E3|phosphodiesterase 4D, cAMP-specific (dunce

Pathway

- [Purine metabolism](#)

Disease

- [Angina](#)
- [Arterial Occlusive Diseases](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Embolism](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Arteriosclerosis](#)
- [Intracranial Hemorrhages](#)
- [Ischemia](#)
- [Ischemic Attack](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Obesity](#)
- [Personality Inventory](#)
- [Pulmonary Disease](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Stroke](#)
- [Thyroid Diseases](#)

- [Tobacco Use Disorder](#)
- [Werner syndrome](#)