

ARG45462 anti-PPIE antibody [7F2]

Package: 50 μg Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes PPIE
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	PPIE
Host	Mouse
Clonality	Monoclonal
Clone	7F2
lsotype	lgG2a
Target Name	PPIE
Species	Human
Immunogen	Recombinant protein containing to human PPIE.
Conjugation	Un-conjugated
Alternate Names	Cyclophilin-33; CYP-33; Cyclophilin E; PPIase E; EC 5.2.1.8; Peptidyl-prolyl cis-trans isomerase E; CYP33; Rotamase E

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 μg/10^6 cells
	ICC/IF	5 μg/ml
	IHC-P	2-5 μg/ml
	WB	0.25-0.5 μg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	35 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PPIE
Gene Full Name	peptidylprolyl isomerase E (cyclophilin E)
Background	The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein contains a highly conserved cyclophilin (CYP) domain as well as an RNA-binding domain. It was shown to possess PPIase and protein folding activities, and it also exhibits RNA-binding activity. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 1, has been identified. [provided by RefSeq, Aug 2010]
Function	PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Combines RNA-binding and PPIase activities. May be involved in muscle- and brain-specific processes. May be involved in pre-mRNA splicing. [UniProt]
Calculated Mw	33 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG45462 anti-PPIE antibody [7F2] IHC-P image

Immunohistochemistry: Human placenta stained with ARG45462 anti-PPIE antibody [7F2] at 2 $\mu g/ml$ dilution.



ARG45462 anti-PPIE antibody [7F2] ICC/IF image

Immunofluorescence: Hela stained with ARG45462 anti-PPIE antibody [7F2] at 5 $\mu g/ml$ dilution.



ARG45462 anti-PPIE antibody [7F2] WB image

Western blot: HEK293 stained with ARG45462 anti-PPIE antibody [7F2] at 0.5 $\mu g/ml$ dilution.



ARG45462 anti-PPIE antibody [7F2] FACS image

Flow Cytometry: JK stained with ARG45462 anti-PPIE antibody [7F2] at 1 $\mu\text{g}/10^{4}$ cells dilution.





ARG45462 anti-PPIE antibody [7F2] IHC-P image

Immunohistochemistry: Rat cardiac stained with ARG45462 anti-PPIE antibody [7F2] at 2 $\mu g/ml$ dilution.

ARG45462 anti-PPIE antibody [7F2] WB image

Western blot: Rat lung stained with ARG45462 anti-PPIE antibody [7F2] at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45462 anti-PPIE antibody [7F2] WB image

Western blot: HEPA1-6 stained with ARG45462 anti-PPIE antibody [7F2] at 0.5 $\mu\text{g}/\text{ml}$ dilution.