

Product Datasheet

MMP-2 Polyclonal Antibody GRP548

Description	Ubiquitinous metalloproteinase that is involved in diverse functions such as remodeling of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture. As well as degrading extracellular matrix proteins, can also act on several nonmatrix proteins such as big endothelial 1 and beta-type CGRP promoting vasoconstriction. Also cleaves KISS at a Gly- -Leu bond. Appears to have a role in myocardial cell death pathways. Contributes to myocardial oxidative stress by regulating the activity of GSK3beta. Cleaves GSK3beta in vitro. Involved in the formation of the fibrovascular tissues in association with MMP14. PEX, the C-terminal non-catalytic fragment of MMP2, posseses anti-angiogenic and anti-tumor properties and inhibits cell migration and cell adhesion to FGF2 and vitronectin. Ligand for integrinv/beta3 on the surface of blood vessels. Isoform 2: Mediates the proteolysis of CHUK/IKKA and initiates a primary innate immune response by inducing mitochondrial-nuclear stress signaling with activation of the pro-inflammatory NF-kappaB, NFAT and IRF transcriptional pathways.	
Species/Host	Rabbit	kD 150— 100—
Reactivity	Human, Mouse, Rat	75— 50— — SHP2
Conjugation	Unconjugated	37 —
Tested Applications	IHC-P, WB	25 – 29 – WB of GRP548
Immunogen	KLH conjugated synthetic peptide derived from human MMP-2 (public_immunogen_range: 409-434/662)	N. S. David
Form/Appearance	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.	
Concentration	1ug/ul	
Storage	Store at -20°C for 12 months.	IHC-P of GRP548
Note	For research use only.	
Isotype	lgG	
Clonality	Polyclonal	
Purity	Purified by Protein A.	
Uniprot ID	P08253	
Entrez	4313	
Dilution Range	WB: 1:300-1000, IHC-P: 1:200-400	

German Research Products - GRP GmbH In der Stockwiese 26 D-85410 Haag/Amper, Germany Email: info@grp-ak.de | Phone: +49 (0)8167 6335