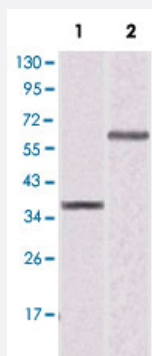


PPARG monoclonal antibody, clone 8D1H8F4

Catalog # MAB8316

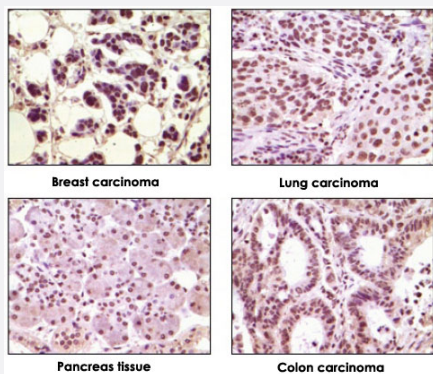
Size 100 ug

Applications



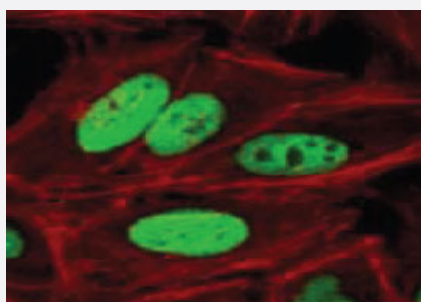
Western Blot

Western blot analysis using PPARG monoclonal antibody, clone 8D1H8F4 (Cat # MAB8316) against truncated PPARG recombinant protein (Lane 1) and K-562 cell lysate (Lane 2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human carcinoma and normal tissue, showing nuclear localization using PPARG monoclonal antibody, clone 8D1H8F4 (Cat # MAB8316) with DAB staining.



Immunofluorescence

Confocal analysis of A-431 cells using PPARG monoclonal antibody, clone 8D1H8F4 (Cat # MAB8316) showing nuclear staining.

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant PPARG.

Immunogen	Recombinant protein corresponding to truncated human PPARG.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1:500-1:2000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:2000) Immunohistochemistry (Frozen sections) (1:500-1:2000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Western blot analysis using PPARG monoclonal antibody, clone 8D1H8F4 (Cat # MAB8316) against truncated PPARG recombinant protein (Lane 1) and K-562 cell lysate (Lane 2).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human carcinoma and normal tissue, showing nuclear localization using PPARG monoclonal antibody, clone 8D1H8F4 (Cat # MAB8316) with DAB staining.

- Immunohistochemistry (Frozen sections)

- Immunofluorescence

Confocal analysis of A-431 cells using PPARG monoclonal antibody, clone 8D1H8F4 (Cat # MAB8316) showing nuclear staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPARG

Entrez GeneID [5468](#)

Gene Name PPARG

Gene Alias	CIMT1, NR1C3, PPARG1, PPARG2, PPARGgamma
Gene Description	peroxisome proliferator-activated receptor gamma
Omim ID	137800 151660 601487 601665 604367 609830
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq]
Other Designations	OTTHUMP00000185030 OTTHUMP00000185033 OTTHUMP00000185037 PPAR gamma nuclear receptor subfamily 1 group C member 3 peroxisome proliferative activated receptor gamma peroxisome proliferative activated receptor, gamma peroxisome proliferator activated recept

Publication Reference

- [Beyond peroxisome proliferator-activated receptor gamma signaling: the multi-facets of the antitumor effect of thiazolidinediones.](#)

Weng JR, Chen CY, Pinzone JJ, Ringel MD, Chen CS.

Endocrine-Related Cancer 2006 Jun; 13(2):401.

Application: WB-Ce, Human, LNCaP, PC-3 cells

- [Peroxisome proliferator-activated receptor-gamma agonist is protective in podocyte injury-associated sclerosis.](#)

Yang HC, Ma LJ, Ma J, Fogo AB.

Kidney International 2006 May; 69(10):1756.

Application: IHC-P, IS, Rat, Kidneys

- [Transforming growth factor-beta inhibits CCAAT/enhancer-binding protein expression and PPARGgamma activity in unloaded bone marrow stromal cells.](#)

Ahdjoudj S, Kaabeche K, Holy X, Fromigue O, Modrowski D, Zerath E, Marie PJ.

Experimental Cell Research 2005 Feb; 303(1):138.

Application: IP, WB, Rat, Bone marrow stromal cells

Pathway

- [Pathways in cancer](#)
- [PPAR signaling pathway](#)
- [Thyroid cancer](#)

Disease

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- [Adenoma](#)
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- [Angina Pectoris](#)
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- [Drug Toxicity](#)
- [Dyslipidemias](#)
- [Dyspepsia](#)
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- [Esophagitis](#)
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- [Femur Head Necrosis](#)
- [Fetal Membranes](#)
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- [Genetic Predisposition to Disease](#)

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- [Glucose Intolerance](#)
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- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Ventricular Dysfunction](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)