Datasheet for ABIN534045

anti-Luciferase antibody

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Overview

Quantity:	100 µL
Target:	Luciferase
Reactivity:	Photinus pyralis
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Luciferase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	Mouse monoclonal antibody raised against native luciferase.
Immunogen:	Native purified luciferase protein from firefly, ***Photinus pyralis***.
Clone:	Luci 21 1-107
Isotype:	IgG1
Specificity:	This antibody recognizes a band at ~61 KDa on Western Blot. specific to luciferase, recognizing a peptide consisting of the first 258 amino acids. Further epitope mapping has not been done at this time.
Cross-Reactivity:	Firefly, Insect

Target Details

Target:	Luciferase

Target Details

Abstract:	Luciferase Products

Application Details

Application Notes:	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In buffer containing 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Tang, Molina, Amar: "p53 short peptide (p53pep164) regulates lipopolysaccharide-induced tumor necrosis factor-alpha factor/cytokine expression." in: **Cancer research**, Vol. 67, Issue 3, pp. 1308-16, (2007) (PubMed). Love, Wang, Dennis, Awadallah, Salem, Lin, Weisenberger, Majewski, Gerson, Lee: "Imaging of mesenchymal stem cell transplant by bioluminescence and PET." in: **Journal of nuclear medicine : official publication, Society of Nuclear Medicine**, Vol. 48, Issue 12, pp. 2011-20, (2007) (PubMed). Chinta, Kumar, Hsu, Rajagopalan, Kaur, Rane, Nicholls, Choi, Andersen: "Inducible alterations of glutathione levels in adult dopaminergic midbrain neurons result in nigrostriatal degeneration." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 27, Issue 51, pp. 13997-4006, (2007) (PubMed).

Publications

Akpovi, Yoon, Vitale, Pelletier: "The predominance of one of the SR-BI isoforms is associated with increased esterified cholesterol levels not apoptosis in mink testis." in: **Journal of lipid research**, Vol. 47, Issue 10, pp. 2233-47, (2006) (PubMed).

Images

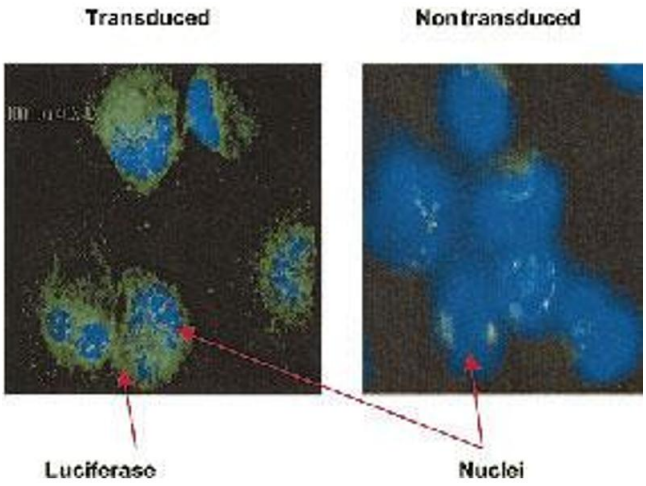

Image 1. Detection of luciferase expression in CD34+ cells by immunohistochemistry. Cytospin slides prepared from transduced CD34+ cells after 3 days of culture were stained with Luciferase monoclonal antibody, clone Luci 21 1-107 . Luciferase-positive cells have green cytoplasm; nuclei stained with DAPI are blue. Nontransduced, cultured CD34+ cells were used as a negative control. Original magnification, x 40. Wang, X. et al., Dynamic tracking of human hematopoietic stem cell. Blood. 102 (10) : 3478-3482, 2003.