

Datasheet for ABIN4901900 **anti-Luciferase antibody**



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Overview

Quantity:	100 µL
Target:	Luciferase
Reactivity:	Firefly
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Luciferase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	<p>Luciferase or Luciferin 4-monooxygenase is a protein encoded by the luc gene which is produced in Photinus pyralis or the common eastern firefly.. Luciferase is localised to the peroxisome and is involved in chaperone binding. This protein falls under the ATP-dependent AMP-binding enzyme family and is one of the most extensively studied of the enzymes that catalyse light production in bioluminescent organisms and requires ATP and O₂ as substrates. There are two reactions catalysed by luciferase, the first being the formation of an enzyme-bound luciferyl-adenylate and a second in which the luciferyl-adenylate undergoes an oxidative decarboxylation which results in the production of CO₂, oxyluciferin, AMP, and green light with a wavelength of 562 nm. STJ97752 was developed from clone 6B8 and was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. This primary antibody detects endogenous levels of Luciferase.</p>
Immunogen:	Recombinant peptide derived from Luciferase
Clone:	6B8

Product Details

Isotype:	IgG1
Specificity:	Luciferase Mouse Monoclonal Antibody (6B8) detects endogenous levels of Luciferase
Characteristics:	Mouse Monoclonal to Luciferase.
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.

Target Details

Target:	Luciferase
Abstract:	Luciferase Products
UniProt:	P08659

Application Details

Application Notes:	WB 1:1000-2000 IHC 1:100-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % 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.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Store at -20°C, and avoid repeat freeze-thaw cycles.