

Datasheet for ABIN3041800  
**Streptavidin Protein (HRP)**

51 Publications

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## Overview

Quantity:	1 mg
Target:	Streptavidin
Origin:	Streptomyces avidinii
Source:	Streptomyces avidinii
Protein Type:	Native
Purification tag / Conjugate:	This Streptavidin protein is labelled with HRP.
Application:	ELISA, Western Blotting (WB), Dot Blot (DB)

## Product Details

Characteristics:	<p>Streptavidin is a 47KD protein that extracted from streptomyces. Just like avidin, streptavidin has very high affinity to biotin molecule, one million times than the common affinity between antigen and antibody. Avidin is a alkalic protein (IP=10.0-10.5), and it can transfer to be a neutral protein through reconstruction. Isoelectric point of the streptavidin is near to neutrality, IP=6.0~6.5. Thus, streptavidin has very low non-specific absorption to tissue and cell. On the basis of streptavidin, the background of immunohistochemistry analysis is extremely low. With the method of polymeric labeling, streptavidin-HRP can form a complex which composed by about one hundred HRP and fifty streptavidin. And lots of enzymes can ensure the streptavidin-HRP with high sensitivity.</p>
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## Target Details

Target:	Streptavidin
Abstract:	<a href="#">Streptavidin Products</a>

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## Application Details

Application Notes:	Dot blot(ECM) 0.25-0.5 µg/mL  Western blot(DAB) 0.3-2 µg/mL  Western blot(ECM) 0.1-0.3 µg/mL  ELISA 0.025-0.05 µg/mL
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C
Storage Comment:	At 4°C for one year.
Expiry Date:	12 months

## Publications

Product cited in:	Tian, Shen, Chen: "Suppression of midkine gene promotes the antitumoral effect of cisplatin on human gastric cancer cell line AGS in vitro and in vivo via the modulation of Notch signaling pathway." in: <b>Oncology reports</b> , Vol. 38, Issue 2, pp. 745-754, (2018) ( <a href="#">PubMed</a> ).
	Bian, Yang, Ma, Li, Duan, Wei, Wu, Mu, Lin, Wen, Xi: "Beneficial effects of extracts from <i>Lucilia sericata</i> maggots on burn wounds in rats." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 5, pp. 7213-7220, (2018) ( <a href="#">PubMed</a> ).
	Zhang, Fu, Tang: "The protective effects of magnolol on acute trinitrobenzene sulfonic acid-induced colitis in rats." in: <b>Molecular medicine reports</b> , Vol. 17, Issue 3, pp. 3455-3464, (

2018) ([PubMed](#)).

Zuo, Lu, Yan, Pan, Cheng: "Increased expression of hepcidin and associated upregulation of JAK/STAT3 signaling in human gastric cancer." in: **Oncology letters**, Vol. 15, Issue 2, pp. 2236-2244, (2018) ([PubMed](#)).

Zhang, Tan, Yu, Wang, Chen, Han, Li, Chen, Xiao, Ambati, Cai, Yang, Nayak, Zhang, Fan: "Placenta-specific drug delivery by trophoblast-targeted nanoparticles in mice." in: **Theranostics**, Vol. 8, Issue 10, pp. 2765-2781, (2018) ([PubMed](#)).

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