

SignalStain® DAB Substrate Kit

- Small 1 Kit
(1200 slides)
- Petite 1 Kit
(120 slides)



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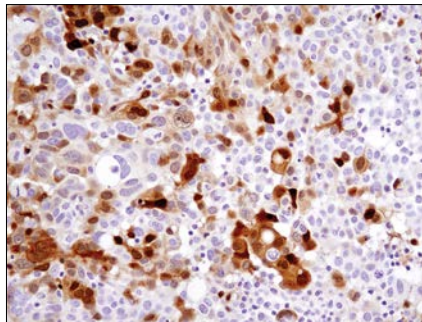
For Research Use Only. Not For Use In Diagnostic Procedures.

Products Included	Product #	Quantity
SignalStain® DAB Diluent	11724	Petite 12 ml Small 120 ml
SignalStain® DAB Chromogen Concentrate	11725	Petite 360 µl Small 3.6 ml

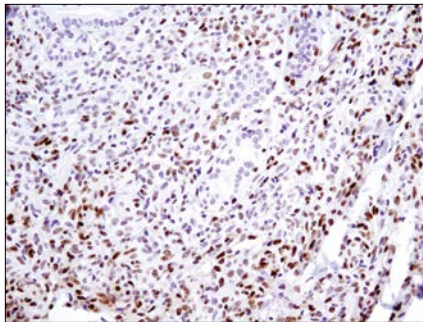
See www.cellsignal.com for individual component applications, species cross-reactivity, and additional application protocols.

Description: The SignalStain® DAB Substrate Kit contains all of the necessary reagents to prepare a working solution of diaminobenzidine (DAB) for staining tissue sections. The DAB working solution reacts with peroxidase (HRP) detection systems such as the SignalStain® Boost IHC Detection Reagents (HRP, Rabbit #8114, and HRP, Mouse #8125), yielding a brown reaction product.

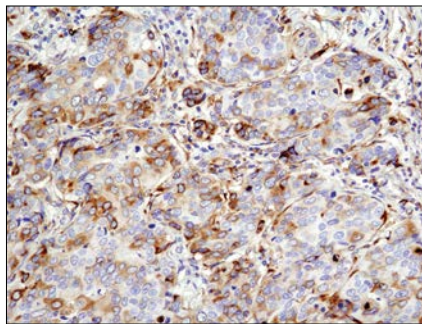
Solutions and Reagents: Each SignalStain® DAB Substrate Kit includes enough DAB Diluent and DAB Chromogen Concentrate to stain either 1200 (#8059S) or 120 (#8059P) slides.



Immunohistochemical analysis of paraffin-embedded human ovarian carcinoma using Phospho-p44/42 MAPK (Erik1/2) (Thr202/Tyr204) (D13.14.4E) XP® Rabbit mAb #4370.



Immunohistochemical analysis of paraffin-embedded human capillary hemangioma using Phospho-Stat3 (Tyr705) (D3A7) XP® Rabbit mAb #9145.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma using Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP® Rabbit mAb #4858.

Storage: Substrate kit should be stored at 4°C, protected from light sources. Each kit is stable for 12 months upon receipt if the reagents are not combined.

Directions for Use: To prepare the DAB working solution, add 1 drop (30 µl) SignalStain® DAB Chromogen Concentrate to 1 ml SignalStain® DAB Diluent and mix well before use. Working solutions are stable for up to 14 days when stored at 4°C or up to 5 days when stored at room temperature (approximately 25°C). While the solution may change color over that time period, it will have no effect on the quality of the staining.

*Please note that when using 8059P, a dropper for the chromogen concentrate is not included. Use a pipet to add 30 µl of SignalStain® DAB Chromogen Concentrate to 1 ml SignalStain® DAB Diluent.

After incubation with SignalStain® Boost IHC Detection Reagent or other HRP-based detection systems, wash slides and incubate with the working solution at room temperature until staining develops. 1-10 minutes generally provides an acceptable staining intensity.

Wash slides in water for 5 minutes.

Counterstain, if desired, and mount coverslips with either a permanent mounting media or an aqueous-based mounting media. Please note, permanent mounting requires dehydration through ethanol and cleaning through xylene.

Important: DAB is a suspected carcinogen. Good laboratory practices should be followed, and appropriate protective equipment should be used when handling DAB, including gloves, protective eyewear, and a lab coat. Dispose in accordance with local regulations.