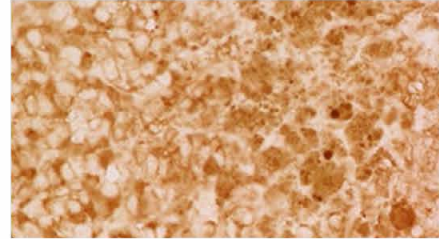


Struggling with Shades of Brown?

Pigmented tissues such as melanomas or veterinary pathology specimens present a particular challenge for immunohistochemistry because the brown color of positive staining produced by DAB, the most commonly used enzymatic substrate, cannot be easily distinguished from the brown color of pigments such as melanins, lipofuscin, or hemosiderin.

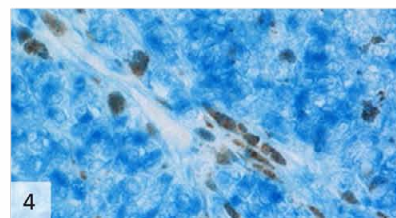
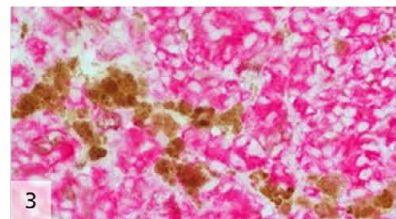
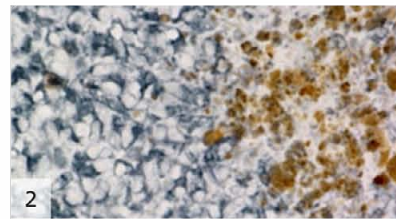
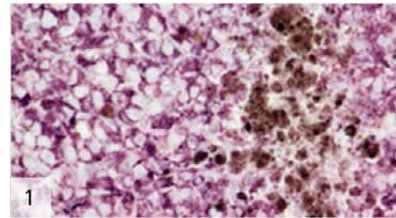


Melanoma stained with DAB. Note positive brown staining from DAB is virtually indistinguishable from the brown of tissue pigments.

Try a Substrate with Greater Impact!

Vector Laboratories offers several colors of peroxidase and alkaline phosphatase substrates for chromogenic staining that provide great contrast with pigments in tissue.

To the right, see examples of melanoma tissue stained with an anti-vimentin primary antibody followed by ImmPRESS™ HRP Anti-Rabbit Ig Reagent (1, 2), or ImmPRESS™ AP Anti-Rabbit Ig Reagent (3, 4) and a substrate: ImmPACT™ VIP HRP Substrate (1), ImmPACT™ SG HRP Substrate (2), ImmPACT™ Vector® Red AP Substrate (3), and Vector® Blue AP Substrate (4). Note the excellent contrast of each substrate with brown pigments in the tissue.



More about ImmPACT™ Substrates:

Greater sensitivity than conventional DAB powders or tablets

Convenient - all reagents provided in stock solutions, eliminating wait times for mixing and dissolving of powders or tablets

Safe handling - reagents provided in dropper bottles

Optimized diluent included with all ImmPACT™ substrates

Stable working solutions for ImmPACT™ HRP Substrates (up to 14 days at 4°C).

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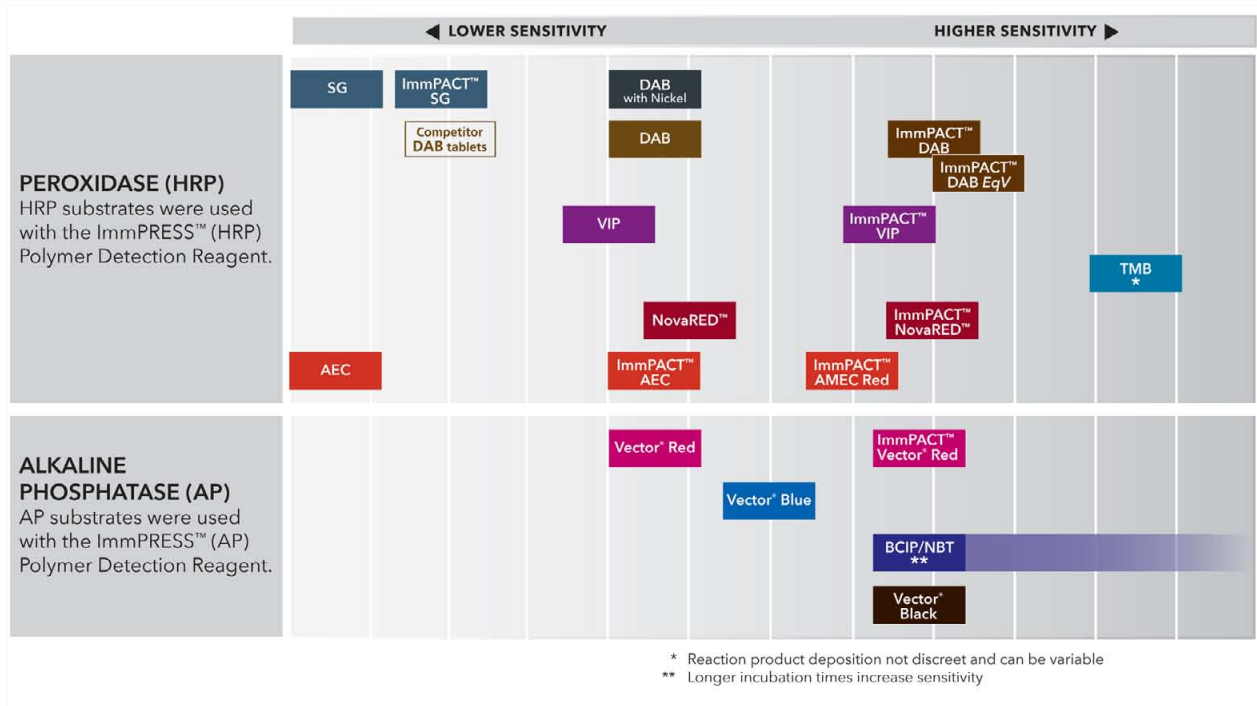
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Relative Sensitivity of Substrates in Immunohistochemistry



Enzyme Substrate Kits

Enzyme	Substrate	Color	Catalog Number	Unit Size	Working Solution
Peroxidase	DAB	Brown	SK-4100	1 Kit	300 ml
	DAB +Ni	Gray-Black	SK-4100	1 Kit	300 ml
	ImmPACT™ DAB	Brown	SK-4105	120 ml	120 ml
	Vector® VIP	Purple	SK-4600	1 Kit	300 ml
	ImmPACT™ VIP	Purple	SK-4605	120 ml	120 ml
	Vector® SG	Blue-Gray	SK-4700	1 Kit	300 ml
	ImmPACT™ SG	Blue-Gray	SK-4705	120 ml	120 ml
	Vector® NovaRED™	Red	SK-4800	1 Kit	300 ml
	ImmPACT™ NovaRED™	Red	SK-4805	120 ml	120 ml
	AEC	Red	SK-4200	1 Kit	300 ml
	ImmPACT™ AEC	Red	SK-4205	120 ml	120 ml
	ImmPACT™ AMEC Red	Red	SK-4285	120 ml	120 ml
	TMB	Blue	SK-4400	1 Kit	300 ml
Alkaline Phosphatase	Vector® Red	Magenta	SK-5100	1 Kit	200 ml
	ImmPACT™ Vector® Red	Magenta	SK-5105	1 Kit	120 ml
	Vector® Blue	Blue	SK-5300	1 Kit	200 ml
	Vector® Black	Brown-Black	SK-5200	1 Kit	200 ml
	BCIP/NBT	Indigo	SK-5400	1 Kit	200 ml
Glucose Oxidase	GO Kit I (NBT)	Indigo	SK-3100	1 Kit	300 ml
	GO Kit II (TNBT)	Black	SK-3200	1 Kit	300 ml



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