

# BCIP/NBT Solution

## Blotting & IHC Alkaline Phosphatase substrate

for Western blotting or staining applications

### Product Description

**BCIP/NBT Solution** UP099858, 1L

The Uptima BCIP/NBT solution substrate is a one-component chromogenic substrate for immobilized Alkaline Phosphatase (AP), optimized for Western Blotting. It can also be used in other blotting and immunohistology techniques where AP is used as a detecting label bound to membranes (such as nitrocellulose, PVDF) or immobilized cells. Additionally, AP from biological specimens can be detected by immunohistochemistry (IHC).

The Uptima BCIP/NBT solution is packaged in a single vial containing a mix of 5-Bromo-4-Chloro-3'-Indolyl Phosphate p-Toluidine (BCIP), Nitro-Blue Tetrazolium Chloride (NBT), and stabilizers. In the presence of AP, the solution develops a dark blue/purple color that precipitates at the site of the reaction. This intense blue/purple precipitate is very stable and resists fading when exposed to light.

This substrate is the ideal choice for achieving accurate, sensitive results in Western Blotting and IHC. Uptima also offers other AP substrates for IHC and ELISA.

<b>Sensitivity</b>	Compared to competitors, the stability and sensitivity are greatly improved (special formulation)
<b>Stability</b>	The BCIP/NBT solution substrate is stable 1 year from date purchase, and 6 months after opening
<b>Storage</b>	+4°C protected from light. (L)

### Directions for use

#### Protocol for Western Blot

- Wash the blot to remove unbound antibodies.

*Note : Unsufficient washes may cause some back ground.*

- Remove the excess of buffer

*Note: Insufficient draining of the blot may alter substrate performance. A quick rinsing with a pH 9.5 buffer can be useful.*

- Add ready-to-use BCIP/NBT solution to cover well the blot.

*Note : Unsufficient volume may cause back ground on some area of the blot.*

- Incubate 10-15 min at room temperature or until desired stain development.
- Rinse the blot twice or 3 times with water.
- Allow the blot to dry to the air for data acquisition or storage.

## Protocol for IHC

Protocols can be found in the literature or be adapted from above.

## Related products

- Other AP Substrates - chromogenic  
pNPP powder (#UP89562), tablets (#UP89562, #UP73250), kits (#BP708), and pNPP solution for ELISA (UP66478)  
AP-Blue [490-650nm] (#BC013) and AP-Red [450-550nm] (#CB014)
- Other AP Substrates - fluorogenic  
FDP powder and kit (#HT079)
- Other AP Substrates - Luminometric Alkaline Phosphatase Assay Kit # JQ6760
- See our our AP-labeled secondary antibodies and streptavidin, buffers and saturant
- Phosphate assay kit #IS2790 (based on molybdate and malachite green dye; 600-660nm reading)

## Ordering information

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

[Order on-line](#) or [Contact](#) your local distributor

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