

## eth\_getTransactionByBlockHashAndIndex

Returns information about a transaction given block hash and transaction index position.

## Parameters

- block hash
- : [Required]
- ] A string representing the hash (32 bytes) of a block.
- transaction index position
- : [Required]
- ] A hexadecimal of the integer representing the position in the block.

## Returns

A transaction object, or null when no transaction was found. The transaction object will consist of the following keys and their values:

- accessList
  - : [optional]
  - ] A list of addresses and storage keys accessed by the transaction. See [access list transactions](#)
  - .
- blockHash
  - : 32 bytes. A hash of the block including this transaction.null
  - when it's pending.
- blockNumber
  - : The number of the block including this transaction.null
  - when it's pending.
- chainID
  - : [optional]
  - ] chain ID specifying the network. Returned only for [EIP-1559 transactions](#)
  - .
- from
  - : 20 bytes. The address of the sender.
- gas
  - : Gas provided by the sender.
- gasPrice
  - : Gas price provided by the sender in Wei.
- hash
  - : 32 bytes. The hash of the transaction.
- input
  - : The data sent along with the transaction.
- maxPriorityFeePerGas
  - : [optional]
  - ] Maximum fee, in Wei, the sender is willing to pay per gas above the base fee. See [EIP-1559 transactions](#)
  - .
- maxFeePerGas
  - : [optional]
  - ] Maximum total fee (base fee + priority fee), in Wei, the sender is willing to pay per gas. See [EIP-1559 transactions](#)
  - .
- nonce
  - : The number of transactions made by the sender prior to this one.
- r
  - : 32 bytes. The ECDSA signaturer
  - .
- s
  - : 32 bytes. The ECDSA signatures
  - .
- to
  - : 20 bytes. The address of the receiver.null
  - when it's a contract creation transaction.
- transactionIndex
  - : The transaction's index position in the block, in hexadecimal.null
  - when it's pending.
- type
  - : The [transaction type](#)
  - .
- v
  - : The ECDSA recovery ID.
- value
  - : The value transferred in Wei.

## Example

Replace YOUR-API-KEY with an API key from your [Infura dashboard](#).

## Request

- cURL
- WSS

curl https://opbnb-mainnet.infura.io/v3/-X POST -H "Content-Type: application/json" -d '{"jsonrpc": "2.0", "method": "eth\_getTransactionByBlockHashAndIndex", "params": ["0xb3b2062af80f786eb50dd04688409e5cea4bd02d700bf6e79e9384d47d6a5a35", "0x0"], "id": 1}' wscat -c wss://opbnb-mainnet.infura.io/v3/-x '{"jsonrpc": "2.0", "method": "eth\_getTransactionByBlockHashAndIndex", "params": ["0xb3b2062af80f786eb50dd04688409e5cea4bd02d700bf6e79e9384d47d6a5a35", "0x0"], "id": 1}'

## Response

- JSON

[illegible]

```
"nonce" : "0x5e4724", "r" : "0xd1556332df97e3bd911068651cfad6f975a30381f4ff3a55df7ab3512c78b9ec", "s" :  
"0x66b51cbb10cd1b2a09aaff137d9f6d4255bf73cb7702b666ebd5af502ffa4410", "to" : "0x4b9c25ca0224aef6a7522cabdbc3b2e125b7ca50", "transactionIndex" : "0x0",  
"type" : "0x0", "v" : "0x25", "value" : "0x0" }
```

Last updated on Nov 5, 2024 [Previous eth\\_getStorageAt](#) [Next eth\\_getTransactionByBlockNumberAndIndex](#)